SONY

4-485-800-**17**(1)

Blu-ray Disc™ / DVD Home Theatre System

Operating Instructions

BDV-N9200W/BDV-N9200WL
BDV-N7200W/BDV-N7200WL/BDV-N5200W

WARNING

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.
To reduce the risk of fire, do not cover the ventilation opening of the appliance with newspapers, tablecloths, curtains, etc.
Do not expose the appliance to naked flame sources (for example, lighted candles).
To reduce the risk of fire or electric shock, do not expose this appliance to dripping or splashing, and do not place objects filled with liquids, such as vases, on the appliance.
Do not expose batteries or appliances with battery-installed to excessive heat, such as sunshine and fire.
To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.
Indoor use only.
This equipment has been tested and found to comply with the limits set out in the EMC Directive using a connection cable shorter than 3 meters. (Europe models only)

On power sources

- The unit is not disconnected from the mains as long as it is connected to the AC outlet, even if the unit itself has been turned off.
- As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

CAUTION

The use of optical instruments with this product will increase eye hazard.
As the laser beam used in this Blu-ray Disc/DVD Home Theatre System is harmful to eyes, do not attempt to disassemble the cabinet.
Refer servicing to qualified personnel only.

Europe models only

CAUTION	CLASS 3R VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EYE EXPOSURE.
VORSICHT	KLASSE 3R SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG WENN GEÖFFNET. UNMITTELBAREN AUGENKONTAKT VERMEIDEN.
ADVARSEL	SYNLIG OG USYNLIG LASERSTRÅLING AF KLASSE 3R VED ÅBNING. UNDGÅ AT SE DIREKTE PÅ STRÅLEN.
ATTENTION	RADIATION LASER VISIBLE ET INVISIBLE DE CLASSE 3R LORSQU'OUVERT. ÉVITER EXPOSITION DIRECTE DES YEUX.
DIKKAT	SINIF 3R GÖRÜNÜR VE GÖRÜNMEZ LAZER RADYASYON. AÇILDIĞINDA DOĞRUDAN GÖZ TEMASINDAN KAÇININ
ADVARSEL	SYNLIG OG USYNLIG LASERSTRÅLING I KLASSE 3R NÅR DEKSEL ÅPNES. UNNGÅ DIREKTE EKSPONERING AV ØYNENE.
VARNING	KLASS 3R SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. UNDVIK ATT DIREKT EXPONERA ÖGONEN FÖR STRÅLNINGEN.
VARO!	AVATTUNA LUOKAN 3R NÄKYVÄÄ JA NÄKYMÄTÖNTÄ LASERSÄTEILYÄ. VÄLTÄ KATSEEN SUORAA ALTISTAMISTA.
警告	打开时有第3R类可见和不可见激光辐射，避免眼睛受到直射的照射
注意	打開時有第3R類可視及不可視雷射輻射，避免眼睛直接暴露。

Pick-up unit of this appliance is classified as a CLASS 3R LASER product. Visible and invisible laser radiation is emitted when the laser protective housing is opened, so be sure to avoid direct eye exposure.
This marking is located on the bottom exterior of the main unit.

Other models

CAUTION	CLASS 3R VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EYE EXPOSURE.
VORSICHT	KLASSE 3R SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG WENN GEÖFFNET. UNMITTELBAREN AUGENKONTAKT VERMEIDEN.
ADVARSEL	SYNLIG OG USYNLIG LASERSTRÅLING AF KLASSE 3R VED ÅBNING. UNDGÅ AT SE DIREKTE PÅ STRÅLEN.
ATTENTION	RADIATION LASER VISIBLE ET INVISIBLE DE CLASSE 3R LORSQU'OUVERT. ÉVITER EXPOSITION DIRECTE DES YEUX.
ADVARSEL	SYNLIG OG USYNLIG LASERSTRÅLING I KLASSE 3R NÅR DEKSEL ÅPNES. UNNGÅ DIREKTE EKSPONERING AV ØYNENE.
VARNING	KLASS 3R SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. UNDVIK ATT DIREKT EXPONERA ÖGONEN FÖR STRÅLNINGEN.
VARO!	AVATTUNA LUOKAN 3R NÄKYVÄÄ JA NÄKYMÄTÖNTÄ LASERSÄTEILYÄ. VÄLTÄ KATSEEN SUORAA ALTISTAMISTA.
警告	打开时有第3R类可见和不可见激光辐射，避免眼睛受到直射的照射
注意	打開時有第3R類可視及不可視雷射輻射，避免眼睛直接暴露。

Pick-up unit of this appliance is classified as a CLASS 3R LASER product. Visible and invisible laser radiation is emitted when the laser protective housing is opened, so be sure to avoid direct eye exposure.
This marking is located on the bottom exterior of the main unit.

For customers in Europe and Russia

CLASS 1 LASER PRODUCT
LASER KLASSE 1
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

This appliance is classified as a CLASS 1 LASER product. This marking is located on the bottom exterior of the main unit.

For customers in United Arab Emirates

CLASS 1 LASER PRODUCT

This appliance is classified as a CLASS 1 LASER product by IEC60825-1:2007. This marking is located on the bottom exterior of the main unit.

TRA
REGISTERED No: ER0122788/13
DEALER No: DA0065531/11

TRA
REGISTERED No: ER0121645/13
DEALER No: DA0063605/11

For the main unit and surround amplifier
The nameplate is located on the bottom exterior.

Recommended cables
Properly shielded and grounded cables and connectors must be used for connection to host computers and/or peripherals.

For customers in Europe

Disposal of waste batteries and electrical and electronic equipment (applicable in the European Union and other European countries with separate collection systems)

This symbol on the product, the battery or on the packaging indicates that the product and the battery shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead. By ensuring these products and batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling. The recycling of the materials will help to conserve natural resources.
In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery and the electrical and electronic equipment will be treated properly, hand over these products at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment. For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries. For more

detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product or battery.

Notice for customers: the following information is only applicable to equipment sold in countries applying EU directives.
This product has been manufactured by or on behalf of Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. Inquiries related to product compliance based on European Union legislation shall be addressed to the authorized representative, Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters, please refer to the addresses provided in the separate service or guarantee documents.

Hereby, Sony Corp., declares that BDV-N9200W/BDV-N9200WL/ BDV-N7200W/BDV-N7200WL/ BDV-N5200W/TA-SA700WR/ TA-SA600WR/TA-SA500WR are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. For details, please access the following URL: http://www.compliance.sony.de/

CE

This product is intended to be used in the following countries.
AT, BE, BG, HR, CY, CZ, DK, EE, FI, FR, DE, GR, HU, IS, IE, IT, LV, LI, LT, LU, MT, NL, NO, PL, PT, RO, SK, SI, ES, SE, CH, GB, AL, BA, MK, MD, RS, ME, TR, Kosovo

5.15 GHz – 5.35 GHz band is restricted to indoor operations only.

This Blu-ray Disc/DVD Home Theatre System is intended for sound and video playback of discs or USB devices, music streaming from an NFC-compatible smartphone or a BLUETOOTH device, and FM tuner. This system also supports network streaming and Screen mirroring.

For customers in Australia

This equipment should be installed and operated with at least 20 cm and more between the radiator and person's body (excluding extremities: hands, wrists, feet and ankles).

For customers in Australia and India

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

For customers in Singapore

Complies with
IDA Standards
DB00353

On watching 3D video images

Some people may experience discomfort (such as eye strain, fatigue, or nausea) while watching 3D video images. Sony recommends that all viewers take regular breaks while watching 3D video images. The length and frequency of necessary breaks will vary from person to person. You must decide what works best. If you experience any discomfort, you should stop watching the 3D video images until the discomfort ends; consult a doctor if you believe necessary. You should also review (i) the instruction manual and/or the caution message of any other device used with, or Blu-ray Disc contents played with this product and

(ii) our website (http://esupport.sony.com/) for the latest information. The vision of young children (especially those under six years old) is still under development. Consult your doctor (such as a pediatrician or eye doctor) before allowing young children to watch 3D video images.
Adults should supervise young children to ensure they follow the recommendations listed above.

Copy Protection

- Please be advised of the advanced content protection systems used in both Blu-ray Disc and DVD media. These systems, called AACS (Advanced Access Content System) and CSS (Content Scramble System), may contain some restrictions on playback, analog output, and other similar features. The operation of this product and the restrictions placed may vary depending on the date of purchase, as the governing board of the AACS may adopt or change its restriction rules after the time of purchase.
- Cinavia Notice
  This product uses Cinavia technology to limit the use of unauthorized copies of some commercially-produced film and videos and their soundtracks. When a prohibited use of an unauthorized copy is detected, a message will be displayed and playback or copying will be interrupted.
  More information about Cinavia technology is provided at the Cinavia Online Consumer Information Center at http://www.cinavia.com. To request additional information about Cinavia by mail, send a postcard with your mailing address to: Cinavia Consumer Information Center, P.O. Box 86851, San Diego, CA, 92138, USA.

Copyrights and Trademarks

- This system incorporates with Dolby* Digital and Dolby Pro Logic adaptive matrix surround decoder and the DTS** Digital Surround System.
  * Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories.
  ** For DTS patents, see http://patents.dts.com. Manufactured under license from DTS Licensing Limited. DTS, DTS-HD, the Symbol, & DTS and the Symbol together are registered trademarks of DTS, Inc. © DTS, Inc. All Rights Reserved.
- This system incorporates High-Definition Multimedia Interface (HDMI™) technology.
  The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.
- Java is a trademark of Oracle and/or its affiliates.
- DVD Logo is a trademark of DVD Format/Logo Licensing Corporation.
- “Blu-ray Disc”, “Blu-ray”, “Blu-ray 3D”, “BD-LIVE”, “BONUSVIEW”, and logos are trademarks of the Blu-ray Disc Association.
- “Blu-ray Disc”, “DVD+RW”, “DVD-RW”, “DVD+R”, “DVD-R”, “DVD VIDEO”, and “CD” logos are trademarks.
- “Super Audio CD” is a trademark.
- App Store is a service mark of Apple Inc.
- “BRAVIA” is a trademark of Sony Corporation.
- “AVCHD 3D/Progressive” and the “AVCHD 3D/Progressive” logo are trademarks of Panasonic Corporation and Sony Corporation.
- , “XMB”, and “xross media bar” are trademarks of Sony Corporation and Sony Computer Entertainment Inc.
- “PlayStation” is a registered trademark of Sony Computer Entertainment Inc.

- "Sony Entertainment Network" logo and "Sony Entertainment Network" are trademarks of Sony Corporation.
- Music and video recognition technology and related data are provided by Gracenote®. Gracenote is the industry standard in music recognition technology and related content delivery. For more information, please visit www.gracenote.com.
  CD, DVD, Blu-ray Disc, and music and video-related data from Gracenote, Inc., copyright © 2000-present Gracenote. Gracenote Software, copyright © 2000-present Gracenote. One or more patents owned by Gracenote apply to this product and service. See the Gracenote website for a nonexhaustive list of applicable Gracenote patents. Gracenote, CDDB, MusicID, the Gracenote logo and logotype, and the "Powered by Gracenote" logo are either a registered trademark or a trademark of Gracenote, Inc. in the United States and/or other countries.

- Wi-Fi®, Wi-Fi Protected Access® and Wi-Fi Alliance® are registered trademarks of Wi-Fi Alliance.
- Wi-Fi CERTIFIED™, WPA™, WPA2™, Wi-Fi Protected Setup™, Miracast™ and Wi-Fi CERTIFIED Miracast™ are trademarks of Wi-Fi Alliance.
- The N Mark is a trademark or registered trademark of NFC Forum, Inc. in the United States and in other countries.
- Android™ is a trademark of Google Inc.
- Google Play™ is a trademark of Google Inc.
- "Xperia" is a trademark of Sony Mobile Communications AB.
- The *Bluetooth*® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Sony Corporation is under license. Other trademarks and trade names are those of their respective owners.
- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- This product incorporates proprietary technology under license from Verance Corporation and is protected by U.S. Patent 7,369,677 and other U.S. and worldwide patents issued and pending as well as copyright and trade secret protection for certain aspects of such technology. Cinavia is a trademark of Verance Corporation. Copyright 2004-2010 Verance Corporation. All rights reserved by Verance. Reverse engineering or disassembly is prohibited.
- Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
  This product is protected by certain intellectual property rights of Microsoft Corporation. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary.
  Content owners use Microsoft PlayReady™ content access technology to protect their intellectual property, including copyrighted content. This device uses PlayReady technology to access PlayReady-protected content and/or WMDRM-protected content. If the device fails to properly enforce restrictions on content usage, content owners may require Microsoft to revoke the device's ability to consume PlayReady-protected content. Revocation should not affect unprotected content or content protected by other content

access technologies. Content owners may require you to upgrade PlayReady to access their content. If you decline an upgrade, you will not be able to access content that requires the upgrade.
- DLNA™, the DLNA Logo and DLNA CERTIFIED™ are trademarks, service marks, or certification marks of the Digital Living Network Alliance.
- Opera® Devices SDK from Opera Software ASA. Copyright 1995-2013 Opera Software ASA. All rights reserved.

POWERED BY OPERA®

- All other trademarks are trademarks of their respective owners.
- Other system and product names are generally trademarks or registered trademarks of the manufacturers. ™ and ® marks are not indicated in this document.

End User License Information

Gracenote® End User License Agreement

This application or device contains software from Gracenote, Inc. of Emeryville, California ("Gracenote"). The software from Gracenote (the "Gracenote Software") enables this application to perform disc and/or file identification and obtain music-related information, including name, artist, track, and title information ("Gracenote Data") from online servers or embedded databases (collectively, "Gracenote Servers") and to perform other functions. You may use Gracenote Data only by means of the intended End-User functions of this application or device.
You agree that you will use Gracenote Data, the Gracenote Software, and Gracenote Servers for your own personal non-commercial use only. You agree not to assign, copy, transfer or transmit the Gracenote Software or any Gracenote Data to any third party. YOU AGREE NOT TO USE OR EXPLOIT GRACENOTE DATA, THE GRACENOTE SOFTWARE, OR GRACENOTE SERVERS, EXCEPT AS EXPRESSLY PERMITTED HEREIN.
You agree that your non-exclusive license to use the Gracenote Data, the Gracenote Software, and Gracenote Servers will terminate if you violate these restrictions. If your license terminates, you agree to cease any and all use of the Gracenote Data, the Gracenote Software, and Gracenote Servers. Gracenote reserves all rights in Gracenote Data, the Gracenote Software, and the Gracenote Servers, including all ownership rights. Under no circumstances will Gracenote become liable for any payment to you for any information that you provide. You agree that Gracenote, Inc. may enforce its rights under this Agreement against you directly in its own name.
The Gracenote service uses a unique identifier to track queries for statistical purposes. The purpose of a randomly assigned numeric identifier is to allow the Gracenote service to count queries without knowing anything about who you are. For more information, see the web page for the Gracenote Privacy Policy for the Gracenote service.
The Gracenote Software and each item of Gracenote Data are licensed to you "AS IS." Gracenote makes no representations or warranties, express or implied, regarding the accuracy of any Gracenote Data from in the Gracenote Servers. Gracenote reserves the right to delete data from the Gracenote Servers or to change data categories for any cause that Gracenote deems sufficient. No warranty is made that the Gracenote Software or Gracenote Servers are error-free or that

functioning of Gracenote Software or Gracenote Servers will be uninterrupted. Gracenote is not obligated to provide you with new enhanced or additional data types or categories that Gracenote may provide in the future and is free to discontinue its services at any time.
GRACENOTE DISCLAIMS ALL WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, AND NON-INFRINGEMENT. GRACENOTE DOES NOT WARRANT THE RESULTS THAT WILL BE OBTAINED BY YOUR USE OF THE GRACENOTE SOFTWARE OR ANY GRACENOTE SERVER. IN NO CASE WILL GRACENOTE BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OR FOR ANY LOST PROFITS OR LOST REVENUES.
© Gracenote, Inc. 2013

REAL END USER LICENSE AGREEMENT (Singapore, China, Thailand, and Taiwan models only)

1. End users are prohibited from modifying, translating, reverse engineering, decompiling, disassembling or using other means to discover the software developed by Real or otherwise replicate the functionality of the software, except to the extent that this restriction is expressly prohibited by applicable law.
2. Real disclaims all warranties and conditions, express and implied, including implied warranties or conditions of merchantability and fitness for a particular purpose; and effectively exclude all liability for indirect, special, incidental and consequential damages, including but not limited to lost profits or replacement systems.

About These Operating Instructions

- The instructions in these Operating Instructions describe the controls on the remote control. You can also use the controls on the main unit if they have the same or similar names as those on the remote control.
- In this manual, “disc” is used as a general reference for BDs, DVDs, Super Audio CDs, or CDs unless otherwise specified by the text or illustrations.
- The instructions in this manual are for BDV-N9200W, BDV-N9200WL, BDV-N7200W, BDV-N7200WL and BDV-N5200W. BDV-N9200WL is the model used for illustration purposes. Any difference in operation is clearly indicated in the text, for example, “BDV-N9200WL only”.
- Some illustrations are presented as conceptual drawings, and may be different from the actual products.
- The items displayed on the TV screen may vary depending on the area.
- The default setting is underlined.

Table of Contents

About These Operating Instructions 8
Unpacking 11
Guide to Parts and Controls 14

Getting Started

Step 1: Installing the Speakers 20
Step 2: Connecting the System 20
Connecting the speakers ... 21
Connecting the TV 22
Connecting the other equipment 23
Connecting the antenna (aerial) 25
Step 3: Preparing for Network Connection 25
Step 4: Setting up the Wireless System 26
Step 5: Performing the Easy Setup 27
Step 6: Selecting the Playback Source 28
Step 7: Enjoying Surround Sound 29

Playback

Playing a Disc 31
Playing from a USB Device 33
Enjoying Music from a BLUETOOTH Device 33
Using Screen mirroring 35
Connecting to a Remote Device by One-touch Function (NFC) 36
Using “SongPal” 38
Playing via a Network 38
Available Options 41

Sound Adjustment

Selecting the Audio Format, Multilingual Tracks, or Channel 43
Enjoying Multiplex Broadcast Sound 43

Tuner

Listening to the Radio 44
Receiving Radio Data System (RDS) 45

Other Operations

Using the Control for HDMI Function for "BRAVIA" Sync 45
Calibrating the Appropriate Speaker Settings Automatically 46
Setting the Speakers 47
Using the Sleep Timer 49
Deactivating the Buttons on the Main Unit 49
Changing the Brightness 49
Enjoying the Visualization on the TV Screen 50
Enjoying Speaker Illumination 50
Saving Power in Standby Mode 51
Browsing Websites 51
Further Settings for the Wireless System 53

Settings and Adjustments

Using the Setup Display 55
[Software Update] 55
[Screen Settings] 56
[Audio Settings] 58
[BD/DVD Viewing Settings] 59
[Parental Control Settings] 60
[Music Settings] 60
[System Settings] 60
[External Input Settings] 62
[Network Settings] 62
[Easy Network Settings] 63
[Resetting] 63

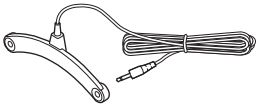
Additional Information

Precautions 64
Notes about Discs 66
Troubleshooting 67
Playable Discs 73
Playable Types of Files 74
Supported Audio Formats 76
Specifications 76
Language Code List 79
Index 81

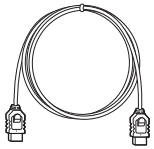
Unpacking

- Operating Instructions (Oceania, Africa, India, Middle East, Singapore, China, Thailand, Taiwan, and Russia models only)
- Quick Setup Guide
- Speaker Installation Guide
- Reference Guide (Europe models only)
- Remote control (1)
- R03 (size AAA) batteries (2)
- FM wire antenna (aerial) (1)

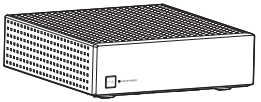
- Calibration mic (1) (BDV-N9200W/ BDV-N9200WL/BDV-N7200W/ BDV-N7200WL only)



- High Speed HDMI cable (1) (Africa, India, Middle East, Singapore, China, Thailand, and Taiwan models only)



- Surround amplifier (1)



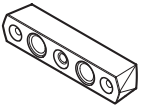
BDV-N9200W/BDV-N9200WL only

- Front speakers (2), Surround speakers (2)

  (BDV-N9200W only)

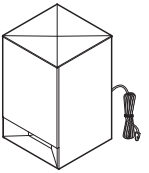
  (BDV-N9200WL only)

- Center speaker (1)

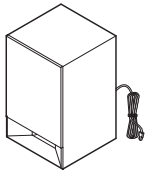


- Subwoofer (1)

  (BDV-N9200W only)



(BDV-N9200WL only)



- Speaker cords
  – (5, red/white/gray/blue/green) (BDV-N9200W only)
  – (1, green) (BDV-N9200WL only)

- Bases (4)

- Lower parts of the front and surround speakers (4)

- Screws (large) (4)

- Screws (small) (12)

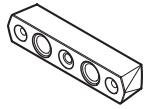
BDV-N7200W/BDV-N7200WL only

- Front speakers (2), Surround speakers (2)

(BDV-N7200W only)

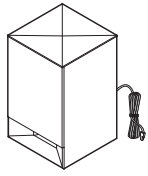
(BDV-N7200WL only)

- Center speaker (1)

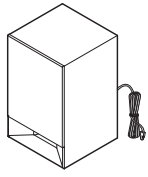


- Subwoofer (1)

(BDV-N7200W only)



(BDV-N7200WL only)



- Speaker cords
  – (5, red/white/gray/blue/green) (BDV-N7200W only)
  – (1, green) (BDV-N7200WL only)

- Stands (for front and surround speakers) (4)

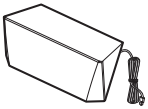
- Screws (8)

BDV-N5200W only

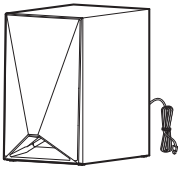
- Front speakers (2)

- Surround speakers (2)

- Center speaker (1)



- Subwoofer (1)

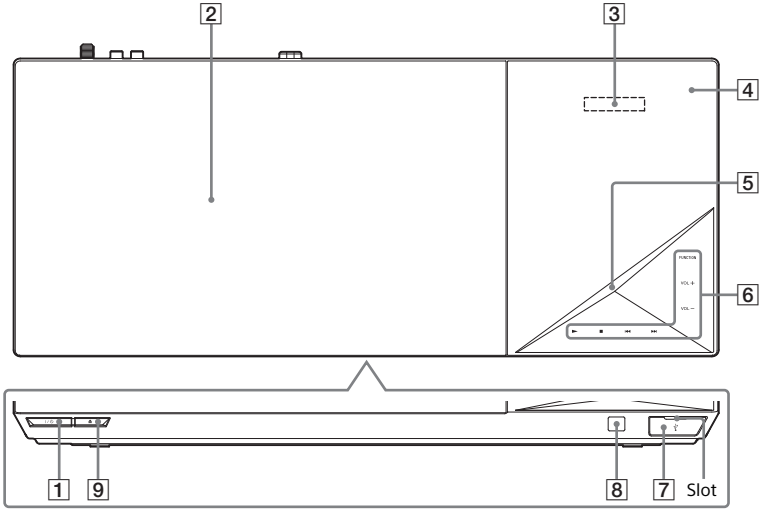


Guide to Parts and Controls

For more information, refer to the pages indicated in parentheses.

Main unit

Top and front panel



1 **I/⏻ (on/standby)**
Turns on the main unit, or sets it to standby mode.

2 **Disc lid (page 31)**

3 **Top panel display**

4 **(N-Mark) (page 36)**
Position the NFC-compatible device near this indication to activate the NFC function.

5 **LED indicator**
White: Lights up when the main unit is turned on.
Blue (for BLUETOOTH status):
– System is ready for pairing: Flashes quickly
– During pairing: Flashes quickly
– NFC device is detected: Flashes
– Connection is established: Lights up

6 **Soft-touch buttons/indicators**

►* (play)

■* (stop)

I◄◄ /►►I (previous/next)

VOL +/–

FUNCTION (page 28)

Selects the playback source.

* Touch and hold ► on the main unit for more than 2 seconds, the built-in sound demonstration will be played back on the system. If a USB device is connected, the audio contents from the USB device will be played back as sound demonstration.
  Touch ■ to stop the demonstration.

Note

During the demonstration, the volume level may be higher than the volume level you have set.

7 **(USB) port (page 33)**

Place your fingernail in the slot to open the cover.

8 **(remote control sensor)**

9 **⏏ (open/close)**

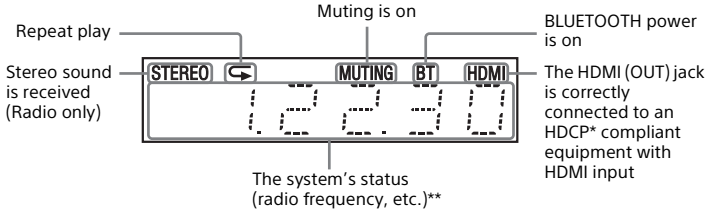
About soft-touch buttons/ indicators

The soft-touch button indicators flash each time you turn on the main unit, wait until the indicators stop flashing. The buttons only function when the indicators are lit.

Note

- These buttons work when you touch them lightly. Do not press on them with excessive force.
- If the button does not work, release the button and wait for a few seconds. Then, touch the button again with your finger covering the button indicator.

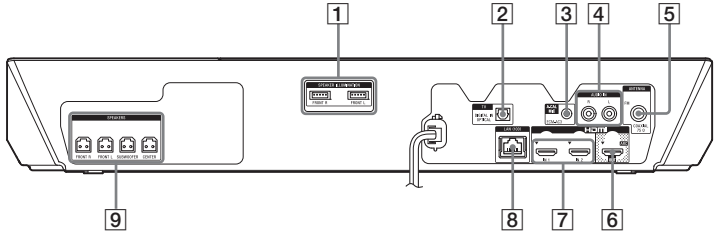
Indicators in the top panel display


Muting is on
Repeat play
BLUETOOTH power is on
Stereo sound is received (Radio only)
STEREO
MUTING
BT
HDMI
The HDMI (OUT) jack is correctly connected to an HDCP* compliant equipment with HDMI input
The system's status (radio frequency, etc.)**

* High-bandwidth Digital Content Protection

** When you press DISPLAY, the stream information/decoding status is displayed when the function is set to "TV". The stream information/decoding status may not appear depending on the stream or item being decoded.

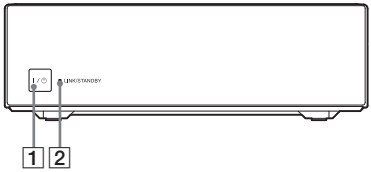
Rear panel



1 **SPEAKER ILLUMINATION terminals (BDV-N9200WL/BDV-N7200WL only) (page 21)**
2 **TV (DIGITAL IN OPTICAL) jack (pages 22, 23)**
3 **A.CAL MIC jack (BDV-N9200W/ BDV-N9200WL/BDV-N7200W/ BDV-N7200WL only) (pages 28, 47)**
4 **AUDIO IN (L/R) jacks (pages 22, 23)**
5 **ANTENNA (FM COAXIAL 75 Ω) jack (page 25)**
6 **HDMI (OUT) jack (page 22)**
7 **HDMI (IN 1/IN 2) jacks (page 23)**
8 **LAN (100) terminal (page 25)**
9 **SPEAKERS jacks (page 21)**

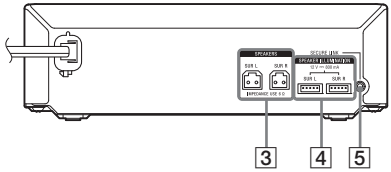
Surround amplifier

Front panel



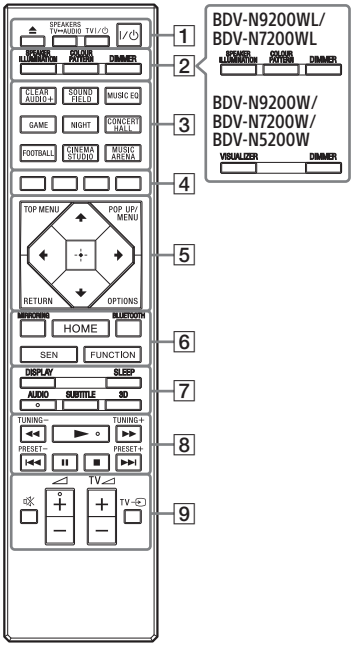
1 **I/⏻ (on/standby)**
2 **LINK/STANDBY indicator (page 27)**
You can check the status of wireless transmission between the main unit and surround amplifier.
3 **SPEAKERS jacks**

Rear panel



4 **SPEAKER ILLUMINATION terminals (BDV-N9200WL/BDV-N7200WL only) (page 21)**
5 **SECURE LINK button (page 53)**
Starts the Secure Link function.

Remote control



- AUDIO, ►, and + buttons have a tactile dot. Use the tactile dot as a reference when operating the remote control.
- TV : For TV operations (For details, see "Preparing the remote control for controlling your TV" (page 19).)

1 **▲ (open/close)**
Opens or closes the disc lid.

SPEAKERS TV↔AUDIO
Selects whether TV sound is output from the system's speakers or the TV's speaker(s). This function works only when you set [Control for HDMI] to [On] (page 60).

TV I/⏻ (on/standby) (page 19)
TV
Turns on the TV or sets it to standby mode.

I/⏻ (on/standby) (page 28)
Turns on the system or sets it to standby mode.

2 **SPEAKER ILLUMINATION (page 50)**
Selects the illumination pattern on the speakers.

COLOUR PATTERN (page 50)

VISUALIZER (page 50)
Selects the visualization pattern.

DIMMER (page 49)
Adjusts the brightness of the top panel display, soft-touch buttons indicators, LED indicator, and the illumination* on the speakers.

* BDV-N9200WL/BDV-N7200WL only

3 **Sound field buttons**
See "Step 7: Enjoying Surround Sound" (page 29).

CLEARAUDIO+, SOUND FIELD, MUSIC EQ, GAME, NIGHT, CONCERT HALL, FOOTBALL, CINEMA STUDIO, MUSIC ARENA

4 **Color buttons**
Shortcut keys for selecting items on some BD menus (can also be used for Java interactive operations on BDs).

5 **TOP MENU**
Opens or closes the BD's or DVD's Top Menu.

POP UP/MENU
Opens or closes the BD-ROM's Pop-up Menu, or the DVD's menu.

OPTIONS (pages 30, 41, 52)
Displays the options menu on the TV screen or in the top panel display. (The location differs depending on the selected function.)

RETURN
Returns to the previous display.

←/↑/↓/→
Moves the highlight to a displayed item.

Tip

↑/↓ are shortcut keys for track search during music CD playback.

⊕ (enter)
Enters the selected item.

6 **MIRRORING (pages 35, 38)**
Selects the "SCR M" function.

BLUETOOTH (page 34)
Selects the "BT" function.

HOME (pages 28, 47, 55)
Enters or exits the system's home menu.

SEN
Accesses the "Sony Entertainment Network™" online service.

FUNCTION (page 28)
Selects the playback source.
By setting [Input Skip Setting] (page 62), you can skip unused inputs when selecting a function.

7 **DISPLAY (pages 32, 39, 45, 52)**
Displays playback and web browsing information on the TV screen.
Displays the preset radio station, frequency, etc., in the top panel display.

SLEEP (page 49)
Sets the sleep timer.

AUDIO (page 43)
Selects the audio format/track.

SUBTITLE
Selects the subtitle language when multilingual subtitles are recorded on a BD-ROM/DVD VIDEO.

3D
Converts 2D content into simulated 3D content when connected to a 3D-compatible device.

8 **Playback operation buttons**
See "Playback" (page 31).

◀◀/▶▶ (fast/slow/freeze frame)
Fast reverse/fast forward during playback. Each time you press the button, the search speed changes.

Activates slow-motion play when pressed for more than one second in pause mode.

Plays one frame at a time when pressed in pause mode.

Note

During Blu-ray 3D Disc playback, slow-motion reverse play and single-frame reverse play are not available.

I◀◀ /▶▶I (previous/next)
Selects the previous/next chapter, track, or file.

▶ (play)
Starts or re-starts playback (resume play).
Activates One-Touch Play (page 45) when the system is on and set to the "BD/DVD" function.

II (pause)
Pauses or re-starts playback.

■ (stop)
Stops playback and remembers the stop point (resume point). The resume point for a title/track is the last point you played or the last photo for a photo folder.
Stops the built-in or USB sound demonstration.

Radio operation buttons
See "Tuner" (page 44).

TUNING +/–

PRESET +/–

9 **(muting)**
Turns off the sound temporarily.

(volume) +/–
Adjusts the volume.

TV (volume) +/– TV
Adjusts the TV volume.

TV (input) TV
Switches the TV's input source between the TV and other input sources.

Preparing the remote control for controlling your TV

By adjusting the remote control signal, you can control your TV with the supplied remote control.

Note

When you replace the batteries of the remote control, the code number may reset to the default (SONY) setting. Set the remote control again.

1 Hold down TV **I**/⏻.

2 Press the corresponding button for your TV (see table below), then press ⊹.

Manufacturer	Button
SONY (default)	CLEARAUDIO+
LG	MUSIC EQ
PANASONIC	GAME
PHILIPS	NIGHT, CINEMA STUDIO, MUSIC ARENA
SAMSUNG	SOUND FIELD, MUSIC EQ, MUSIC ARENA
SHARP	CONCERT HALL
TOSHIBA	FOOTBALL

Note

The TV's manufacturer's codes are registered to the buttons in the table above. If the setting is unsuccessful, the currently registered code is not changed. Press the corresponding button again.
If more than one button is listed, try pressing them one at a time until you find the button that works with your TV.

3 Release TV **I**/⏻.

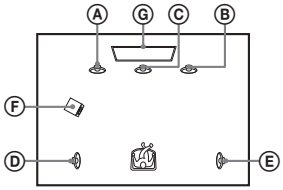
Now you can use the TV **I**/⏻, TV +/– and TV buttons to control your TV.

Step 1: Installing the Speakers

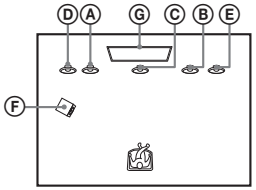
Install the speakers by referring to the illustration below.
To assemble the speakers, refer to the supplied “Speaker Installation Guide”.

Ⓐ Front left speaker (L)
Ⓑ Front right speaker (R)
Ⓒ Center speaker
Ⓓ Surround left speaker (L)
Ⓔ Surround right speaker (R)
Ⓕ Subwoofer
Ⓖ TV

Installing the surround speakers in rear position (Speaker layout: [Standard])



Installing all speakers in front position (Speaker layout: [All Front])



Note

- Be sure to select the speakers layout setting (page 47) according to your speakers placement.
- Use caution when placing the speakers and/or speaker stands attached to the speakers on a specially treated (waxed, oiled, polished, etc.) floor, as staining or discoloration may result.
- Do not lean or hang on a speaker, as it may fall down.
- The speakers of this system are not magnetically shielded. This may result in color irregularity when they are placed near a CRT TV or projector.

Tip

- In order to output more effective sound when [All Front] setting is selected, we recommend you to install your front speakers and surround speakers closer to each other.
- You can install the speakers on a wall. For details, refer to the supplied “Speaker Installation Guide”.

Step 2: Connecting the System

Do not connect the AC power cord (mains lead) of the main unit to a wall outlet (mains) until all the other connections are made.

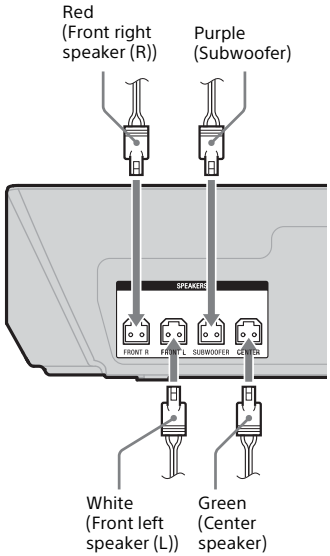
Note

When you connect other equipment with a volume control, turn down the volume of the equipment to a level where sound is not distorted.

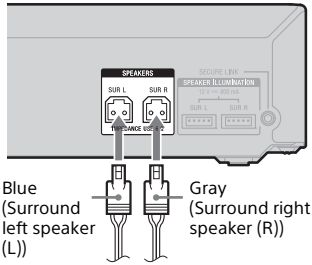
Connecting the speakers

Connect the speaker cords to match the color of the SPEAKERS jacks of the main unit and surround amplifier. Be sure to insert the speaker connector until it clicks.

To the main unit



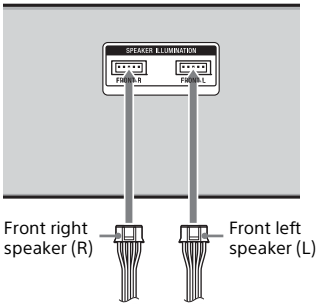
To the surround amplifier



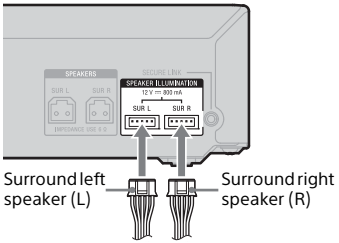
To connect the SPEAKER ILLUMINATION terminal (BDV-N9200WL/ BDV-N7200WL only)

Connect the speaker illumination connector (attached with the speaker cord) to the main unit and surround amplifier so you can enjoy the lighting effect on your speakers.
You can select the illumination pattern you want by pressing SPEAKER ILLUMINATION repeatedly (page 50).

To the main unit

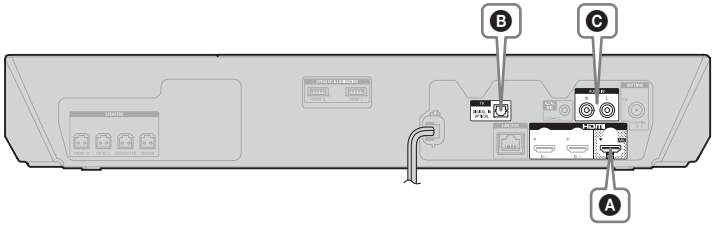


To the surround amplifier

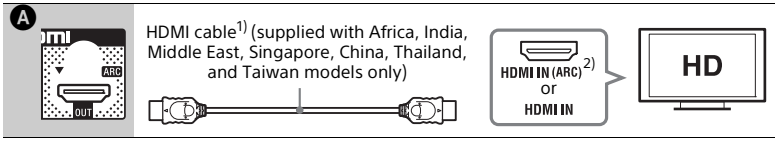


Connecting the TV

Select one of the following connection methods according to the input jacks on your TV.



Video connection

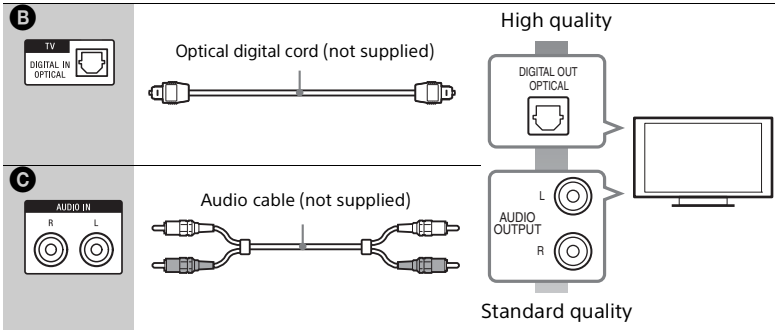


1) High Speed HDMI cable

2) The **Audio Return Channel (ARC) function** enables the TV to output sound through the system with an HDMI connection, without performing the B or C connection below. To set the ARC function on this system, see [Audio Return Channel] (page 61). To check the compatibility of your TV's ARC function, refer to the operating instructions supplied with your TV.

Audio connections

If your TV's HDMI jack is not compatible with the ARC function, make an appropriate audio connection (B or C) for listening to TV sound via the system's speakers.

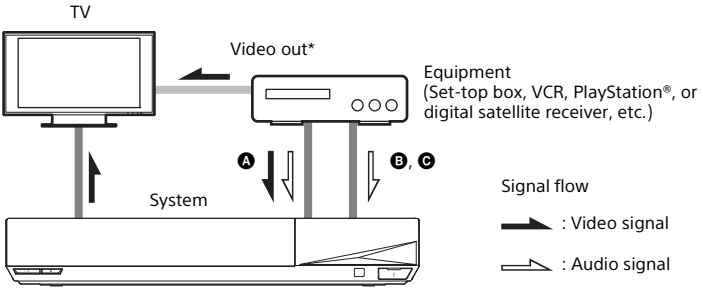


Note

To enjoy TV sound, select “TV” function for connection Ⓑ or “AUDIO” function for connection Ⓒ.

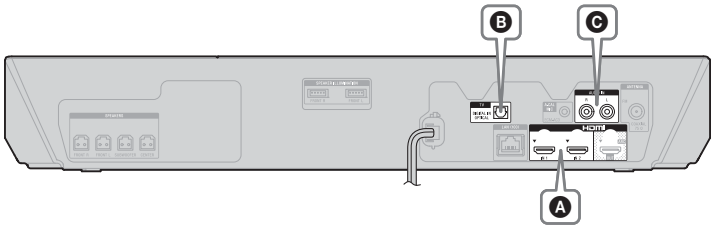
Connecting the other equipment

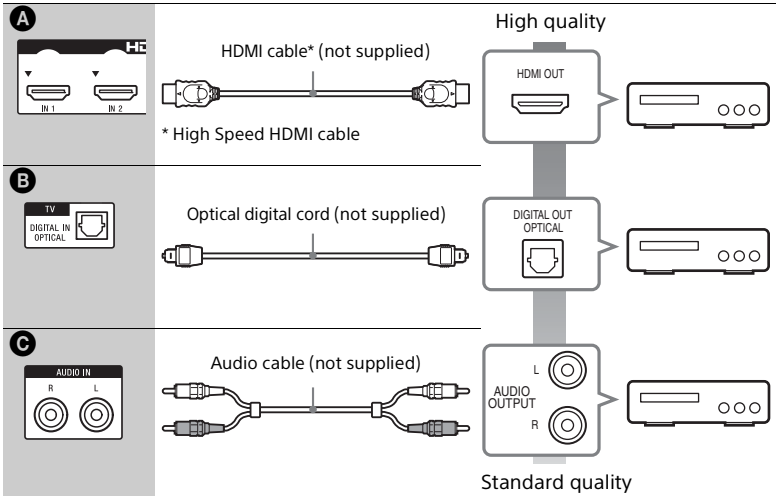
Connect the system, TV and other equipment as follows.
You cannot enjoy the audio and video of the connected equipment on the TV through this system when the system is off or in standby mode.



* This connection is unnecessary for connection Ⓐ (HDMI connection).

Select one of the following connection methods according to the jack type of the equipment.





When you make connection A

This connection can transmit both video and audio signals.

Note

- Video signals from the HDMI (IN 1/2) jacks are output to the HDMI (OUT) jack only when the "HDMI1" or "HDMI2" function is selected.
- To output an audio signal from the HDMI (IN 1/2) jacks to the HDMI (OUT) jack, you may need to change the audio output setting. For details, see [Audio Output] in [Audio Settings] (page 58).
- You can change the audio input of an equipment that is connected to the HDMI (IN 1) jack to the TV (DIGITAL IN OPTICAL) jack. For details, see [HDMI1 Audio Input mode] in [HDMI Settings] (page 61). (Europe models only.)

When you make connection B, C

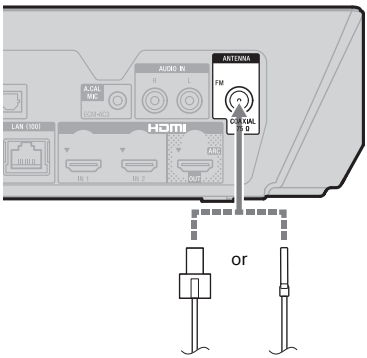
Connect the system so that video signals from the system and other equipment are output to the TV, and audio signals from the equipment are output to the system.

Note

- If you make either connection above, set [Control for HDMI] in [HDMI Settings] of [System Settings] to [Off] (page 60).
- You can enjoy equipment sound by selecting "TV" function for connection B or "AUDIO" function for connection C.

Connecting the antenna (aerial)

Rear of the main unit



FM wire antenna (aerial) (supplied)

Note

- Be sure to fully extend the FM wire antenna (aerial).
- After connecting the FM wire antenna (aerial), keep it as horizontal as possible.

Tip

If you have poor FM reception, use a 75-ohm coaxial cable (not supplied) to connect the main unit to an outdoor FM antenna (aerial).

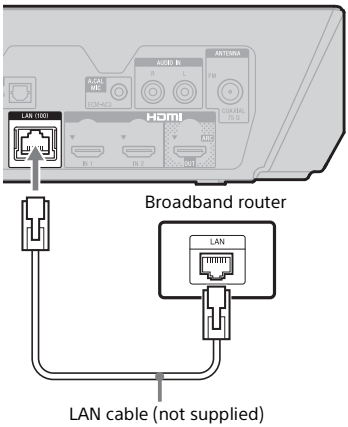
Step 3: Preparing for Network Connection

Tip

To connect the system to your network, perform [Easy Network Settings]. For details, see “Step 5: Performing the Easy Setup” (page 27).

Select the method based on your LAN (Local Area Network) environment.

- If you use a wireless LAN
  The system has built-in Wi-Fi, and you can connect the system to the network by making the network settings.
- If you use a wired LAN
  Use a LAN cable to connect to the LAN (100) terminal on the main unit.



LAN cable (not supplied)

Tip

We recommend that you use a shielded and straight interface cable (LAN cable).

Before performing the network settings

When your wireless LAN router (access point) is Wi-Fi Protected Setup (WPS)-compatible, you can easily set the network settings with the WPS button. If not, check the following information in advance, and record it in the space provided below.

- The network name (SSID*) that identifies your network.**
- If security is set on your wireless network, the security key (WEP key, WPA key).**

* SSID (Service Set Identifier) is a name that identifies a particular wireless network.

** You need to check the settings of your wireless LAN router to get the information about SSID and security key. For details:
- visit the following website:
  For customers in Europe and Russia: http://support.sony-europe.com/
  For customers in other countries/regions: http://www.sony-asia.com/section/support
- refer to the operating instructions supplied with the wireless LAN router
- consult the manufacturer of the wireless LAN router

About wireless LAN security

Since communication via the wireless LAN function is established by radio waves, the wireless signal may be susceptible to interception. To protect wireless communication, this system supports various security functions. Be sure to correctly configure the security settings in accordance with your network environment.

■ **No Security**
Although you can easily make settings, anyone can intercept wireless communication or intrude into your wireless network, even without any sophisticated tools. Keep in mind that there is a risk of unauthorized access or interception of data.

■ **WEP**
WEP applies security to communications to prevent outsiders from intercepting communications or intruding into your wireless network. WEP is a legacy security technology that enables older devices which do not support TKIP/AES to be connected.

■ **WPA-PSK (TKIP), WPA2-PSK (TKIP)**
TKIP is a security technology developed in response to the deficiencies of WEP. TKIP assures a higher security level than WEP.

■ **WPA-PSK (AES), WPA2-PSK (AES)**
AES is a security technology that uses an advanced security method distinct from WEP and TKIP. AES assures a higher security level than WEP or TKIP.

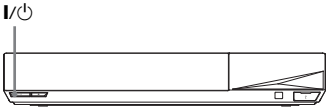
Step 4: Setting up the Wireless System

The main unit transmits sound to the surround amplifier that is connected to the surround speakers. To activate wireless transmission, perform the following Steps.

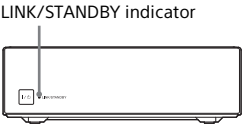
1 **Connect the AC power cord (mains lead) of the main unit.**

Before connecting the AC power cord, make sure all connections in “Step 2: Connecting the System” (page 20) are secure.

2 **Press I/⏻ to turn on the system.**



3 **Connect the AC power cord (mains lead) of the surround amplifier.**



When wireless transmission is activated, the LINK/STANDBY indicator turns green.
If the LINK/STANDBY indicator does not turn on, see “Wireless sound” (page 70).

About the LINK/STANDBY indicator

The LINK/STANDBY indicator shows wireless transmission status as follows.

Turns green	The system is turned on, wireless transmission is activated and surround signals are being received.
Turns orange	The system is turned on, wireless transmission is activated with the Secure Link function, and surround signals are being received.
Flashes green or orange slowly	Wireless transmission is deactivated.
Turns red	The surround amplifier is in standby mode while the system is in standby mode or wireless transmission is deactivated.
Turns off	The surround amplifier is turned off.
Flashes red	The surround amplifier’s protection is active.

About the standby mode

The surround amplifier enters standby mode automatically when the main unit is in standby mode or wireless transmission is deactivated.
The surround amplifier turns on automatically when the main unit is turned on and wireless transmission is activated.

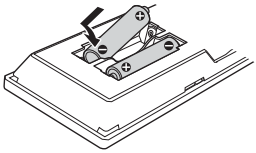
To specify the wireless connection

If you use multiple wireless products or your neighbors use wireless products, interference may occur. To prevent this, you can specify the wireless connection to link the main unit to the surround amplifier (Secure Link function). For details, see “Further Settings for the Wireless System” (page 53).

Step 5: Performing the Easy Setup

Follow the Steps below to make the basic adjustments and network settings for the system.
Displayed items vary depending on the area.

1 **Insert two R03 (AAA) batteries (supplied) by matching the ⊕ and ⊖ ends on the batteries to the markings inside the compartment.**



2 **Turn on the TV.**

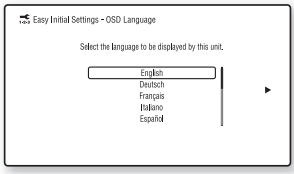
3 **Connect the calibration mic to the A.CAL MIC jack on the rear panel. (BDV-N9200W/BDV-N9200WL/ BDV-N7200W/BDV-N7200WL only)**

Set up the calibration mic at ear level using a tripod, etc. (not supplied). The calibration mic should aim the TV screen. The front of each speaker should face the calibration mic, and there should be no obstruction between the speakers and the calibration mic.

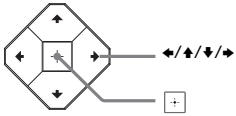
4 **Press I/⏻ to turn on the system.**

5 **Switch the input selector on your TV so that the signal from the system appears on the TV screen.**

The [Easy Initial Settings] for OSD language selection appears.



6 **Perform [Easy Initial Settings]. Follow the on-screen instructions to make the basic settings using ←/↑/↓/→ and ⊕.**



For details about [Auto Calibration], see “Calibrating the Appropriate Speaker Settings Automatically” (page 46). (BDV-N9200W/ BDV-N9200WL/BDV-N7200W/ BDV-N7200WL only)

7 **After completing the [Easy Initial Settings], press ↑/↓ to select [Easy Network Settings], then press ⊕.**

The [Easy Network Settings] display appears.

8 **Follow the on-screen instructions to make the network settings using ←/↑/↓/→ and ⊕.**

If the system cannot connect to the network, see “Network connection” (page 72) or “Wireless LAN connection” (page 72).

To recall the [Easy Network Settings] display

1 Press HOME.

The home menu appears on the TV screen.

2 Press ←/→ to select [Setup].

3 Press ↑/↓ to select [Easy Network Settings], then press ⊕.

Step 6: Selecting the Playback Source

Press FUNCTION repeatedly.

When you press FUNCTION once, the current function appears in the top panel display, then each time you press FUNCTION, the function changes cyclically as follows.

“BD/DVD” → “USB” → “FM” → “HDMI1” → “HDMI2” → “TV” → “SCR M” → “BT” → “AUDIO”

“BD/DVD”
Disc or network device to be played by the system

“USB”
USB device that is connected to the ⇵ (USB) port (page 14)

"FM"
FM radio (page 44)

"HDMI1"/"HDMI2"
Equipment that is connected to the HDMI (IN 1) or HDMI (IN 2) jack (page 23)

"TV"
Equipment (TV, etc.) that is connected to the TV (DIGITAL IN OPTICAL) jack, or a TV compatible with the Audio Return Channel function that is connected to the HDMI (OUT) jack (pages 22, 23)

"SCR M"
[Screen mirroring]
Screen mirroring-compatible device (pages 35, 37)

"BT"
[Bluetooth AUDIO]
BLUETOOTH device that supports A2DP

"AUDIO"
Equipment that is connected to the AUDIO IN (L/R) jacks (pages 22, 23)

Tip

- Some functions may be changed via the TV screen by pressing FUNCTION, ↑/↓, and +.
- You can also press BLUETOOTH and MIRRORING on the remote control to select "BT" and "SCR M" function respectively.

Step 7: Enjoying Surround Sound

After performing the previous Steps and starting playback, you can easily enjoy pre-programmed sound fields that are tailored to different kinds of sound sources. They bring the exciting and powerful sound into your home.

Note

The sound field can be selected only when [Sound Effect] is set to [Sound Field On] (page 59). When [Sound Effect] is set to other than [Sound Field On], the sound field setting does not apply.

Selecting the sound field

Press SOUND FIELD repeatedly during playback.

You can also press CLEARAUDIO+, GAME and NIGHT to select respective sound field.

ClearAudio+
You can enjoy the sound with Sony-recommended sound field. Sound field is automatically optimized according to playback content and function.
- 2-channel source: The system will recreate 5.1 channel speaker output.
- Multi-channel source: The system outputs sound from the speakers as it was recorded.

Movie
The system provides the optimized sound for watching movies.

Music
The system provides the optimized sound for listening to music.

Digital Music Enhancer
[Digital Music]
This is a technology developed by Sony to enhance the sound quality of compressed audio files by restoring high frequency range sound after compression process.

Game
The system provides the optimized sound for playing video games.

Night
Suitable for watching movies at night by reducing loud sounds while maintaining clear dialog.

Tip

- To enjoy 2-channel source such as a CD in multi-channel output, we recommend you to select [ClearAudio+].
- If you set the sound field to [ClearAudio+] and play Internet content of the Berlin Philharmonic, the [Philharmonic Hall] mode (page 30) is automatically selected (only for areas that are offered the service).
- When the speaker layout is set to [All Front] and you play back multi-channel source, select [ClearAudio+], [Movie], [Game] or [Night] to enjoy virtual surround sound.

To select the sound field from the option menu

1 Press OPTIONS and ↑/↓ to select [Sound Field], then press +.

2 Press ↑/↓ to select the sound field, then press +.

To select the pre-programmed music equalizer

Press MUSIC EQ repeatedly during playback.
You can select the sound to suit your preference.
Each time you press the button, the setting changes cyclically as follows.
[Standard] → [Rock] → [Hiphop] → [Electronica]

You can also select the music equalizer from the option menu. Follow steps 1 and 2 above. Select [Music] in step 2. Then, press ↑/↓ and + to select the setting.

Selecting the advanced sound field

You can bring the exciting and powerful sound of movie theaters and concert halls into your home by selecting one of the following sound fields.

Press CONCERT HALL to select [Philharmonic Hall : On].
The system reproduces the sound characteristics of a Berlin philharmonic hall. This mode can reproduce hi-resolution sound.

Press CINEMA STUDIO to select [Cinema Studio 9.1ch : On].
This system reproduces the sound characteristics of the cinema production studio. This setting can expand a source sound up to 9.1 channels to which a vertical component is applied, and give a dimension of presence and depth.

Press MUSIC ARENA to select [Music Arena : On].
You can enjoy Live Music Concert filled with great excitement created by Sony unique Audio DSP technology. (Digital Music Arena)

To select the advanced sound field from the option menu

1 Press OPTIONS and ↑/↓ to select [Cinema Studio 9.1ch], [Music Arena] or [Philharmonic Hall], then press +.

2 Press ↑/↓ to select [On], then press +.

Note

The advanced sound fields are automatically set to [Off] when you perform the following.
– Turn off the system.
– Press any of the sound field buttons (page 17).

To select the football mode

Press FOOTBALL repeatedly while watching a football match broadcast.
You can experience a feeling of presence in the stadium when watching the football match broadcast.

- [Football : Narration On]: You can enjoy an immersive feeling of being in a football stadium through enhanced stadium cheers.
- [Football : Narration Off]: You can enjoy a more immersive feeling of being in a football stadium by minimizing the volume level of narration in addition to the enhancement of cheers.
- [Football Off]: The football mode is turned off.

Note

- We recommend you to select the football mode when watching a football match broadcast.
- If you hear unnatural sound in the content when [Football : Narration Off] is selected, [Football : Narration On] is recommended.
- The football mode is automatically set to [Football Off] when you perform the following.
  – Turn off the system.
  – Press any of the sound field buttons (page 17).
- This feature does not support monaural sound.

Tip

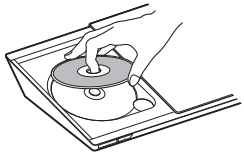
- You can also select the football mode from the option menu.
- If 5.1 channel audio stream is available, we recommend you to select it on your TV or set-top box.

Playing a Disc

For playable discs, see "Playable Discs" (page 73).

1 **Switch the input selector on your TV so that the signal from the system appears on your TV screen.**

2 **Press ⏏, and place a disc on the disc compartment until it clicks.**



3 **Press ⏏ to close the disc lid.**
Playback starts.
If playback does not start automatically, select ● in the [Video], [Music], or [Photo] category, and press +.

Enjoying BONUSVIEW/ BD-LIVE

Some BD-ROMs with "BD-LIVE Logo*" have bonus content and other data that can be downloaded for enjoyment.

* BD LIVE™

1 **Connect the USB device to the ⇳ (USB) port (page 33).**
For local storage, use a 1 GB or larger USB memory.

2 **Prepare for BD-LIVE (BD-LIVE only).**

- Connect the system to a network (page 25).
- Set [BD Internet Connection] to [Allow] (page 59).

3 **Insert a BD-ROM with BONUSVIEW/BD-LIVE.**

The operation method differs depending on the disc. Refer to the operating instructions of the disc.

Tip

To delete data in the USB memory, select [Delete BD Data] in [Video], and press +. All data stored in the buda folder will be deleted.

Enjoying Blu-ray 3D

You can enjoy Blu-ray 3D Discs with the 3D logo*.

* Blu-ray 3D™

1 **Prepare for Blu-ray 3D Disc playback.**

- Connect the system to your 3D-compatible TV using a High Speed HDMI cable (page 22).
- Set [3D Output Setting] and [TV Screen Size Setting for 3D] in [Screen Settings] (page 56).

2 **Insert a Blu-ray 3D Disc.**

The operation method differs depending on the disc. Refer to the operating instructions supplied with the disc.

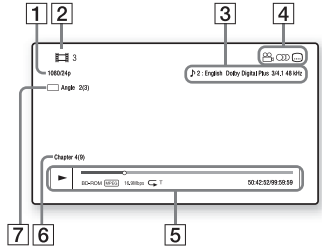
Tip

Refer also to the operating instructions of your 3D-compatible TV.

Displaying the playback information

You can check the playback information, etc., by pressing DISPLAY. The displayed information differs depending on the disc type and system status.

Example: when playing a BD-ROM



1 Output resolution/Video frequency

2 Title number or name

3 The currently selected audio setting

4 Available functions (angle, audio, subtitle)

5 Playback information
Displays play mode, playing status bar, disc type, video codec, bit rate, repeat type, elapsed time, total playing time

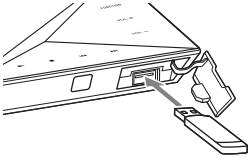
6 Chapter number

7 The currently selected angle

Playing from a USB Device

You can play video/music/photo files on a connected USB device.
For playable types of files, see "Playable Types of Files" (page 74).

1 **Connect the USB device to the (USB) port.**
Refer to the operating instructions of the USB device before connecting.



2 **Press HOME.**
The home menu appears on the TV screen.

3 **Press ←/→ to select [Video], [Music], or [Photo].**

4 **Press ↑/↓ to select [USB device], then press .**

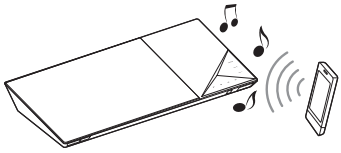
Note

Do not remove the USB device during operation. To avoid data corruption or damage to the USB device, turn the system off before connecting or removing the USB device.

Enjoying Music from a BLUETOOTH Device

About the BLUETOOTH wireless technology

BLUETOOTH wireless technology is a short-range wireless technology that enables wireless data communication between digital devices. BLUETOOTH wireless technology operates within a range of about 10 meters.



Supported BLUETOOTH version and profiles

Profile refers to a standard set of capabilities for various BLUETOOTH product capabilities. For details on the supported BLUETOOTH version and profiles, see "BLUETOOTH Section" (page 77).

Note

- Depending on the specifications of the BLUETOOTH device, the functions may differ even though the device supports the same profile as this system.
- The audio playback on this system may be delayed from that on the BLUETOOTH device because of the characteristics of the BLUETOOTH wireless technology.

Pairing this system with a BLUETOOTH device

Pairing is an operation where BLUETOOTH devices register with each other beforehand. Once a pairing operation is performed, it does not need to be performed again.

1 **Place the BLUETOOTH device within 1 meter from the main unit.**

2 **Press BLUETOOTH.**

You can also select [Bluetooth AUDIO] from [Input] in home menu.

3 **Set the BLUETOOTH device in pairing mode.**

For details on setting the BLUETOOTH device in pairing mode, refer to the operating instructions supplied with the device.

4 **Select your system's name (for example, "BDV-N9200W") on the device's display.**

Perform this step within 5 minutes, otherwise pairing will be canceled.

Note

If passkey is required on the BLUETOOTH device, enter "0000". Passkey may be called "Passcode", "PIN code", "PIN number" or "Password".

Tip

You can change the system's name appears on your device by using [Device Name] in [System Settings] (page 62).

5 **Once pairing is completed, the device is automatically connected to the system.**

Device name appears on the TV screen.

Note

You can pair up to 9 BLUETOOTH devices. If the 10th BLUETOOTH device is paired, the least recently connected device will be replaced by the new one.

6 **Start playback on the BLUETOOTH device.**

7 **Adjust the volume.**

Adjust the volume of the BLUETOOTH device first, if the volume level is still too low, adjust the volume level on the main unit.

To cancel pairing operation

Press HOME or FUNCTION.

Connecting to a BLUETOOTH device from this system

You can connect to a BLUETOOTH device from this main unit.
Check the following before playing music:
– The BLUETOOTH function of the BLUETOOTH device is turned on.
– The pairing has been completed (page 34).

1 **Press BLUETOOTH.**

Note

To connect to the most recent connected BLUETOOTH device, press ►. Then proceed to Step 5.

2 **Press OPTIONS.**

3 **Select [Device List], then press +.**

A list of paired BLUETOOTH devices appears.

4 **Press ↑/↓ repeatedly to select the device you want, then press +.**

5 **Press ► to start playback.**

6 **Adjust the volume.**

Adjust the volume of the BLUETOOTH device first, if the volume level is still too low, adjust the volume level on the main unit.

Note

- Once the main unit and the BLUETOOTH device are connected, you can control playback by pressing ►, ❚❚, ■, ◄◄/►► and I◄◄/►►I.
- You can connect to the system from a paired BLUETOOTH device in functions other than "BT", if you set [Bluetooth Power Setting] in [External Input Settings] to [On] (page 62).

Tip

You can enable or disable the reception of AAC audio from BLUETOOTH device (page 62).

To disconnect the BLUETOOTH device

Press HOME, FUNCTION or RETURN.

To delete a paired BLUETOOTH device from the device list

1 Follow Steps 1 to 3 above.

2 Press ↑/↓ repeatedly to select the device, then press OPTIONS.

3 Press ↑/↓ repeatedly to select [Remove], then press +.

4 Press ←/→ repeatedly to select [OK], then press +.

Using Screen mirroring

"Screen mirroring" is a function to display the screen of a mobile device on the TV by Miracast technology.
The main unit can be connected directly with a Screen mirroring-compatible device (e.g. smartphone, tablet). You can enjoy the display screen of the device on your large TV screen. No wireless router (or access point) is required to use this feature.

1 **Press MIRRORING.**

2 **Follow the on-screen instructions.**

Activate the Screen mirroring function from your device.
For details on how to activate the function, refer to the operating instructions supplied with your device.

Note

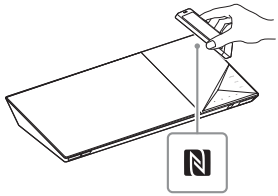
- When using Screen mirroring, the quality of picture and sound may sometimes be deteriorated due to interference from other network.
- Some network functions may not be available during Screen mirroring.
- Make sure that the device is compatible with Miracast. Connectivity with all Miracast compatible devices is not guaranteed.
- Depending on the usage environment, the quality of the picture and sound may be deteriorated.

Tip

You can also wirelessly mirror your entire Xperia smartphone screen on a large TV screen by using One-touch mirroring function (NFC) (page 37).

Connecting to a Remote Device by One-touch Function (NFC)

What is "NFC"?
NFC (Near Field Communication) is a technology enabling short-range wireless communication between various devices, such as mobile phones and IC tags. Thanks to the NFC function, data communication can be achieved easily just by holding the device near the (N-Mark) on the NFC-compatible devices.



Note

- The system only can recognizes and connects to one NFC-compatible device at a time.
- Depending on your remote device, you may need to turn on the NFC function on your remote device in advance. For details, refer to the operating instructions of the remote device.
- To use the NFC function, be sure to set [NFC] to [On] (page 61).

Connecting to a remote device by One-touch listening function (NFC)

By holding an NFC-compatible remote device near to the N-Mark on the main unit, the main unit and remote device proceed to complete pairing and the BLUETOOTH connection automatically.

Compatible remote devices
Remote devices with a built-in NFC function
(OS: Android 2.3.3 – 4.x.x excluding Android 3.x)

1 Download and install the "NFC Easy Connect" application.

"NFC Easy Connect" is a free application for Android remote devices that can be obtained on Google Play. Search for the application using the keyword "NFC Easy Connect" on the site, or access the download site directly by reading the two-dimensional code below.
Note that "NFC Easy Connect" is free but data communication fees when downloading are charged separately.

Two-dimensional code* for direct access

* Use a two-dimensional code reader application.

Note

The application may not be available in some countries/regions.

2 Start the "NFC Easy Connect" application on the remote device.

Make sure that the application screen is displayed.

3 Hold the remote device near to the N-Mark on the main unit (page 36) until the remote device vibrates.

Vibration cue is provided when the remote device is recognized by the main unit. Follow the on-screen instructions displayed on the remote device, and complete the procedure for BLUETOOTH connection.
When the BLUETOOTH connection is established, the blue LED indicator on the top panel stops flashing. The playback time appears in the top panel display.

Note

For some remote devices, this function may be available without downloading "NFC Easy Connect". In this case, the operation and specifications of the remote device may differ from the description in this manual.

Tip

If pairing and the BLUETOOTH connection fail, do the following.
– Relaunch "NFC Easy Connect" and move the remote device slowly over the N-Mark.
– Remove the case from the remote device if using a commercially available remote device case.

To listen to music

Start playback of an audio source on the remote device. For details on playback operations, refer to the operating instructions of your remote device.

Tip

If the volume level is low, adjust the volume of the remote device first. If the volume level is still too low, adjust the volume level on the main unit.

To stop playback

The playback will be stopped when you perform any of the following items.
– Hold the remote device near to the N-Mark on the main unit again.
– Stop the music player of the remote device.
– Turn off the main unit or the remote device.
– Change the function.
– Disable the BLUETOOTH function on the remote device.

Connecting to an Xperia smartphone by One-touch mirroring function (NFC)

By holding a One-touch mirroring-compatible Xperia near to the N-Mark on the main unit, you can wirelessly mirror your entire Xperia smartphone screen on a big screen TV. You can watch videos or browse together with your family and friends. No wireless router (or access point) is required to use this function.

Compatible Xperia smartphones
Xperia with the One-touch mirroring function

1 **Press MIRRORING.**

2 **Hold the Xperia smartphone near to the N-Mark on the main unit (page 36) until the Xperia smartphone vibrates.**

Vibration cue is provided when the Xperia smartphone is recognized by the main unit.
The main unit establishes a connection with Xperia smartphone.

3 **Once connection is established, the Xperia smartphone screen appears on the TV screen.**

The Xperia smartphone is registered to the system.

To exit mirroring

Press HOME, RETURN or FUNCTION.

Note

- You cannot access to any other networks during mirroring.
- The quality of picture and sound may sometimes be deteriorated due to interference from other network.

Tip

You can select your preference sound field during mirroring. Press the sound field buttons (page 17).

Using "SongPal"

A dedicated App for this model is available on both Google Play and App Store. Search for "SongPal" and download the free App to find out more about the convenient features.
Easy Control app, "SongPal", supports wireless operation. It allows you to:
– choose music/audio contents from integrated functions of various device and smartphone.
– control various settings intuitively.
– enhance the music visually with your smartphone display.

Note

To use this function, be sure to perform the software update (page 55).

Playing via a Network

Enjoying Sony Entertainment Network (SEN)

Sony Entertainment Network serves as a gateway delivering selected Internet content and a variety of on-demand entertainment straight to your main unit.

Tip

- Some Internet content requires registration via a PC before it can be played. For further details, visit the following website:

  For customers in Europe and Russia:
  http://support.sony-europe.com/

  For customers in other countries/regions:
  http://www.sony-asia.com/section/support

• Some Internet content may not be available in some countries/regions.

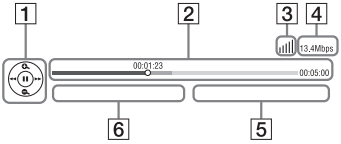
1 **Prepare for Sony Entertainment Network.**
Connect the system to a network (page 25).

2 **Press SEN.**

3 **Press ←/↑/↓/→ to select the Internet content and a variety of on-demand entertainment, then press ⊕.**

Video streaming control panel

The control panel appears when a video file starts playing. The displayed items may differ depending on the Internet content provider.
To display again, press DISPLAY.



1 Control display
Press ←/↑/↓/→ or ⊕ for playback operations.

2 Playing status bar
Status bar, cursor indicating the current position, playing time, duration of the video file

3 Network condition indicator
Indicates signal strength for a wireless connection.
Indicates a wired connection.

4 Network transmission speed

5 The next video file name

6 The currently selected video file name

Playing files on a Home Network (DLNA)

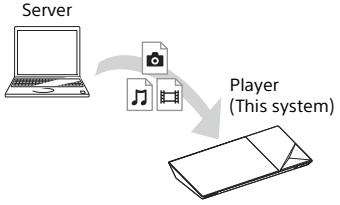
You can play video/music/photo files on other DLNA-certified equipment by connecting them to your home network.

This main unit can be used as a player and renderer.
- Server: Stores and shares digital media contents
- Player: Finds and plays digital media content from the DMS
- Renderer: Receives and plays files from the server, and can be operated by another equipment (controller)
- Controller: Operates the renderer equipment

Prepare for using the DLNA function.
- Connect the system to a network (page 25).
- Prepare other DLNA-certified equipment. For details, refer to the operating instructions of the equipment.

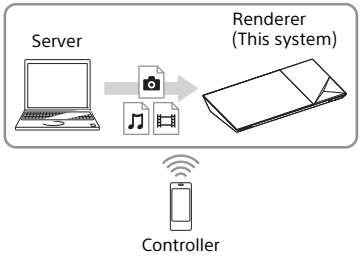
To play files stored on a DLNA server via the system (DLNA Player)

Select the DLNA server icon from [Video], [Music], or [Photo] in the home menu, then select the file that you want to play.



To play remote files by operating the system (Renderer) via a DLNA controller

You can operate the system with a DLNA-certified controller (a mobile phone, etc), when playing files stored on a DLNA server.



For details on operation, refer to the operating instructions of the DLNA controller.

Note

Do not operate the system with the supplied remote control and a DLNA controller at the same time.

Tip

The system is compatible with the "Play To" function of Windows Media® Player 12 that comes standard with Windows 7.

Searching for video/music information

You can acquire content information using Gracenote technology and search for related information.

1 **Connect the system to a network (page 25).**

2 **Insert a disc with content about which you want to search.**

You can perform a video search from a BD-ROM or DVD-ROM, and a music search from a CD-DA (music CD).

3 **Press ←/→ to select [Video] or [Music].**

4 **Press ↑/↓ to select [Video Search] or [Music Search].**

The content information (such as title, cast, track, or artist), [Playback History] and [Search History] are displayed.

- [Playback History]
  Displays a list of previously played BD-ROM/DVD-ROM/CD-DA (music CD) titles. Select a title to acquire content information.
- [Search History]
  Displays a list of previous searches performed via the [Video Search] or [Music Search] function.

To search for further related information

Select an item in the lists, then select the service for searches.

Using the TV SideView

TV SideView is a free mobile application for the remote device (smartphone, etc). By using the TV SideView with this system, you can easily enjoy the system by the operation on your remote device. You can launch a service or application directly from the remote device and view the disc information during the disc playback. The TV SideView also can be used as a remote control and software keyboard.
Before you use the TV SideView device with this system for the first time, be sure to register the TV SideView device. Follow the on-screen instructions on the TV SideView device for registration.

Note

The registration will be possible only when home menu appears on the TV screen.

Available Options

Various settings and playback operations are available by pressing OPTIONS. The available items differ depending on the situation.

Common options

[Sound Field]
Changes the sound field setting (page 29).

[Cinema Studio 9.1ch]
Turns on or off the Cinema Studio 9.1 channel mode (page 30).

[Music Arena]
Turns on or off the Digital Music Arena mode (page 30).

[Philharmonic Hall]
Turns on or off the Philharmonic Hall mode (page 30).

[Football]
Selects the football mode (page 31).

[Repeat Setting]
Sets repeat playback.

[3D Menu]
[Simulated 3D]: Adjusts the simulated 3D effect.
[3D Depth Adjustment]: Adjusts the depth of 3D images.
[2D Playback]: Sets playback to 2D image.

[Play/Stop]
Starts or stops playback.

[Play from start]
Plays the item from the beginning.

[Change Category]
Switches among the [Video], [Music] and [Photo] category in "BD/DVD" (for disc only), "USB" function or DLNA server. This item only available when the display list is available for the category.

[Video] only

[A/V SYNC]
Adjusts the time gap between picture and sound (page 42).

[3D Output Setting]
Sets whether or not to output 3D video automatically.

Note

3D video from the HDMI (IN 1) or HDMI (IN 2) jack is output regardless of this setting.

[Video Settings]
[Picture Quality Mode]: Selects the picture settings ([Direct], [Brighter Room], [Theatre Room], [Auto], [Custom1] and [Custom2]).

You can customize the following picture settings according to your preference and saved them in [Custom1]/[Custom2] settings.
- [Texture Remaster]: Adjusts the sharpness and detail of the edges.
- [Super Resolution]: Improves the resolution.
- [Smoothing]: Reduces on-screen banding by smoothing gradations on flat areas.
- [Contrast Remaster]: Automatically arranges the black and white levels so that the screen is not too dark and the image is modulated.
- [Clear Black]: Adjusts the display of the dark elements of the image. All shading is not suppressed; it allows beautifully reproduced black tones.

[Pause]
Pauses playback.

[Top Menu]
Displays the BD's or DVD's Top Menu.

[Menu/Popup Menu]
Displays the BD-ROM's Pop-up Menu or DVD's menu.

[Title Search]
Searches for a title on BD-ROMs/DVD VIDEOs and starts playback from the beginning.

[Chapter Search]
Searches for a chapter and starts playback from the beginning.

[Audio]
Selects the audio format/track.

[Subtitle]
Selects the subtitle language when multilingual subtitles are recorded on BD-ROMs/DVD VIDEOs.

[Angle]
Switches the viewing angles when multi-angles are recorded on BD-ROMs/DVD VIDEOs.

[IP Content NR Pro]
Adjusts the video quality for Internet content.

[Video Search]
Displays information on the BD-ROM/DVD-ROM based on Gracenote technology.

[Number Entry]
Inputs numbers. Use ←/↑/↓/→ to select the number.

♫ [Music] only

[Track Search]
Searches the track number during music CD playback.

[Add Slideshow BGM]
Registers music files in the USB memory as slideshow background music (BGM).

[Music Search]
Displays information on the audio CD (CD-DA) based on Gracenote technology.

[Visualizer]/[Colour Pattern]
Changes the visualizer color effect on the TV screen (page 50).

[Photo] only

[Slideshow]
Starts a slideshow.

[Slideshow Speed]
Changes the slideshow speed.

[Slideshow Effect]
Sets the effect when playing a slideshow.

[Slideshow BGM]
- [Off]: Turns off the function.
- [My Music from USB]: Sets the music files registered in [Add Slideshow BGM].
- [Play from Music CD]: Sets the tracks on CD-DAs.

[Change Display]
Switches between [Grid View] and [List View].

[Rotate Left]
Rotates the photo counterclockwise by 90 degrees.

[Rotate Right]
Rotates the photo clockwise by 90 degrees.

[View Image]
Displays the selected picture.

Adjusting the delay between the picture and sound

(A/V SYNC)

When the sound does not match the pictures on the TV screen, you can adjust the delay between the picture and sound for the following functions. The setting method differs depending on the function.

When the "BD/DVD", "USB", "HDMI1" or "HDMI2" function is selected

1 **Press OPTIONS.**
The option menu appears on the TV screen.

2 **Press ↑/↓ to select [A/V SYNC], then press ⊕.**

3 **Press ←/→ to adjust the delay, then press ⊕.**
You can adjust from 0 ms to 300 ms in 25 ms increments.

When the "TV" function is selected

1 **Press OPTIONS.**
"AV.SYNC" appears in the top panel display.

2 **Press ⊕ or →.**

3 **Press ↑/↓ to adjust the delay, then press ⊕.**
You can adjust from 0 ms to 300 ms in 25 ms increments.

4 **Press OPTIONS.**
The option menu in the top panel display turns off.

Selecting the Audio Format, Multilingual Tracks, or Channel

When the system is playing a BD/DVD VIDEO recorded in multiple audio formats (PCM, Dolby Digital, MPEG audio, or DTS) or multilingual tracks, you can change the audio format or language.
With a CD, you can select the sound from the right or left channel and listen to the sound of the selected channel through both the right and left speakers.

Press AUDIO repeatedly during playback to select the audio signal you want.
The audio information appears on the TV screen.

■ BD/DVD VIDEO
Depending on the BD/DVD VIDEO, the option of language varies.
When 4 digits are displayed, they represent a language code. See "Language Code List" (page 79). When the same language is displayed two or more times, the BD/DVD VIDEO is recorded in multiple audio formats.

■ DVD-VR
The types of sound tracks recorded on a disc are displayed.
Example:
- [♪ Stereo]
- [♪ Stereo (Audio1)]
- [♪ Stereo (Audio2)]
- [♪ Main]
- [♪ Sub]
- [♪ Main/Sub]

Note

[♪ Stereo (Audio1)] and [♪ Stereo (Audio2)] do not appear if only one audio stream is recorded on the disc.

■ CD
- [♪ Stereo]: The standard stereo sound.
- [♪ 1/L]: The sound of the left channel (monaural).
- [♪ 2/R]: The sound of the right channel (monaural).
- [♪ L+R]: The sound of both the left and right channels output from each individual speaker.

Enjoying Multiplex Broadcast Sound

(DUAL MONO)

You can enjoy multiplex broadcast sound when the system receives or plays a Dolby Digital multiplex broadcast signal.

Note

To receive a Dolby Digital signal, you need to connect a TV or other equipment to the TV (DIGITAL IN OPTICAL) jack with a optical digital cord (pages 22, 23).
If your TV's HDMI IN jack is compatible with the Audio Return Channel function (pages 22, 61), you can receive a Dolby Digital signal via an HDMI cable.

Press AUDIO repeatedly until the signal you want appears in the top panel display.
- "MAIN": Sound of the main language will be output.
- "SUB": Sound of the sub language will be output.
- "MN/SUB": Mixed sound of both the main and sub languages will be output.

Listening to the Radio

1 **Press FUNCTION repeatedly until "FM" appears in the top panel display.**

2 **Select the radio station.**

Automatic tuning

Hold down TUNING +/– until the auto scanning starts.
[Auto Tuning] appears on the TV screen. Scanning stops when the system tunes in a station.
To cancel automatic tuning, press any buttons.

Manual tuning

Press TUNING +/– repeatedly.

3 **Press +/– repeatedly to adjust the volume.**

If an FM program is noisy

If an FM program is noisy, you can select monaural reception. There will be no stereo effect, but reception will improve.

1 **Press OPTIONS.**
The option menu appears on the TV screen.

2 **Press ↑/↓ to select [FM Mode], then press .**

3 **Press ↑/↓ to select [Monaural], then press .**
- [Stereo]: Stereo reception.
- [Monaural]: Monaural reception.

Tip

You can set [FM Mode] for each preset station separately.

Presetting radio stations

You can preset up to 20 stations. Before tuning, make sure to turn down the volume to minimum.

1 **Press FUNCTION repeatedly until "FM" appears in the top panel display.**

2 **Hold down TUNING +/– until the auto scanning starts.**
Scanning stops when the system tunes in a station.

3 **Press OPTIONS.**
The option menu appears on the TV screen.

4 **Press ↑/↓ to select [Preset Memory], then press .**

5 **Press ↑/↓ to select the preset number you want, then press .**

6 **Repeat Steps 2 to 5 to store other stations.**

To change a preset number

Select the preset number you want by pressing PRESET +/–, then perform the procedure from Step 3.

To select a preset station

1 Press FUNCTION repeatedly until "FM" appears in the top panel display.
The last received station is tuned in.

2 Press PRESET +/– repeatedly to select the preset station.

Tip

Each time you press DISPLAY, the display in the top panel display changes cyclically as follows:
Frequency → Preset number → Decoding status*
* Appears when [Sound Effect] is set to [Dolby Pro Logic], [DTS Neo:6 Cinema], or [DTS Neo:6 Music] (page 59).

Receiving Radio Data System (RDS)

(Europe models only)

The system offers RDS feature which enables you to view additional information from radio stations.

Simply select a station from the FM band.

The station name appears on the TV screen.

Note

- RDS may not work properly if the station you are tuned to is not transmitting the RDS signal properly, or if the signal strength is weak.
- Not all FM stations provide RDS service, nor do they provide the same type of services. If you are not familiar with the RDS system, check with your local radio stations for details on RDS services in your area.

Using the Control for HDMI Function for "BRAVIA" Sync

This function is available on TVs with the "BRAVIA" Sync function.
By connecting Sony equipment that is compatible with the Control for HDMI function via an HDMI cable, operation is simplified.

Note

To use the "BRAVIA" Sync function, be sure to turn on the system and all connected equipment after completed the HDMI connection.

Control for HDMI - Easy Setting

You can set the system's [Control for HDMI] function automatically by enabling the corresponding setting on the TV.
For details about the Control for HDMI function, see "[HDMI Settings]" (page 60).

System Power Off

You can turn the system off in sync with the TV.

Note

The system does not turn off automatically while playing music or when "FM" function is selected.

One-Touch Play

When you press ► on the remote control, the system and TV turn on, and the TV's input is switched to the HDMI input which the system is connected.

System Audio Control

You can enjoy the sound from TV or other equipment by a simple operation.

You can use the System Audio Control function as follows:

- When the system is turned on, the sound of the TV or other equipment can be output from the speakers of the system.
- When sound from the TV or other equipment is output via the speakers of the system, you can switch the sound to output from the TV speakers by pressing SPEAKERS TV←→AUDIO.
- When sound from the TV or other equipment is output via the speakers of the system, you can adjust the volume and turn off the sound of the system by operating the TV.

Audio Return Channel

You can enjoy TV sound via the system by using just one HDMI cable. For details of the setting, see "[Audio Return Channel]" (page 61).

Language Follow

When you change the language for the on-screen display of the TV, the system's on-screen display language is also changed after turning off and on the system.

Routing Control

When you perform One-Touch Play on the connected equipment, the system turns on and sets the system's function to "HDMI1" or "HDMI2" (depending on the HDMI input jack in use), and your TV's input is automatically set to the HDMI input to which the system is connected.

Calibrating the Appropriate Speaker Settings Automatically

[Auto Calibration] (BDV-N9200W/BDV-N9200WL/ BDV-N7200W/BDV-N7200WL only)

D.C.A.C. DX (Digital Cinema Auto Calibration DX) brings you the ideal sound experience by automatically adjusting the setting of the speakers' distance, location, and acoustic.

Note

- The system outputs a loud test sound when [Auto Calibration] starts. You cannot turn the volume down. Give consideration to children and neighbors.
- Before [Auto Calibration], make sure that
  - all the speakers are connected to the main unit and surround amplifier.
  - the surround amplifier is turned on and you have installed the surround amplifier in an appropriate location to ensure wireless connection with it.

1 **Press HOME.**

The home menu appears on the TV screen.

2 **Press ←/→ to select [Setup].**

3 **Press ↑/↓ to select [Audio Settings], then press .**

4 **Press ↑/↓ to select [Auto Calibration], then press .**

The [Select speaker layout.] display appears.

5 **Press ↑/↓ to select setting according to your speakers placement, then press ⊕.**

- [Standard]: The surround speakers are installed in the rear position.
- [All Front]: All speakers are installed in the front position.

The confirmation display for [Auto Calibration] appears.

6 **Connect the calibration mic to the A.CAL MIC jack on the rear panel.**

Set up the calibration mic at ear level using a tripod, etc. (not supplied). The calibration mic should aim the TV screen. The front of each speaker should face the calibration mic, and there should be no obstruction between the speakers and the calibration mic.

7 **Press ↑/↓ to select [OK].**

To cancel, select [Cancel].

8 **Press ⊕.**

[Auto Calibration] starts.
The system adjusts the speaker settings automatically.
Be quiet during the measurement.

Note

While [Auto Calibration] is in progress, do not operate the system.

9 **Confirm the result of [Auto Calibration].**

The distance and level for each speaker appear on the TV screen.

Note

- If measurement fails, follow the message then retry [Auto Calibration].
- If no center speaker is detected, the [Centre Speaker] will be automatically set to [Off].

10 **Press ↑/↓ to select [OK] or [Cancel], then press ⊕.**

■ **The measurement is OK.**
Disconnect the calibration mic, then select [OK]. The result is implemented.

■ **The measurement is not OK.**
Follow the message, then select [OK] to retry.

Setting the Speakers

[Speaker Settings]

To obtain optimum surround sound, set the speakers' distance from your listening position.

1 **Press HOME.**

The home menu appears on the TV screen.

2 **Press ←/→ to select [Setup].**

3 **Press ↑/↓ to select [Audio Settings], then press ⊕.**

4 **Press ↑/↓ to select [Speaker Settings], then press ⊕.**

The [Select speaker layout.] display appears.

5 **Press ↑/↓ to select setting according to your speakers placement, then press ⊕.**

- [Standard]: The surround speakers are installed in the rear position.
- [All Front]: All speakers are installed in the front position.

Note

All settings are reset to default settings each time you change the speaker layout setting.

6 **Press ←/→ to select [OK] or [Cancel], then press ⊕.**

7 **Press ↑/↓ to select the item, then press ⊕.**

8 **Press ↑/↓ to adjust the parameter.**

9 **Press ←/→ and ⊕ to confirm the settings.**

Check the following settings.

■ [Centre Speaker]

[On]: The center speaker is connected.
[Off]: The center speaker is not connected.

■ [Distance]

When you move the speakers, be sure to set the parameters of the distance from the listening position to the speakers.
You can set the parameters from 0.0 to 7.0 meters.

[Front Left/Right] 3.0 m: Set the front speaker distance.
[Centre] 3.0 m: Set the center speaker distance. This setting is only available when [Centre Speaker] is set to [On].
[Surround Left/Right] 3.0 m: Set the surround speaker distance.
[Subwoofer] 3.0 m: Set the subwoofer distance.

■ [Level]

You can adjust the sound level of the speakers. You can set the parameters from –6.0 dB to +6.0 dB. Be sure to set [Test Tone] to [On] for easy adjustment.

[Front Left/Right] 0.0 dB: Set the front speaker level.
[Centre] 0.0 dB: Set the center speaker level. This setting is only available when [Centre Speaker] is set to [On].
[Surround Left/Right] 0.0 dB: Set the surround speaker level.
[Subwoofer] 0.0 dB: Set the subwoofer level.

■ [Relocation] (BDV-N9200W/ BDV-N9200WL/BDV-N7200W/ BDV-N7200WL only)

You can correct the speaker position virtually to improve the surround effect.

[On]: You can hear sound from a virtually relocated speaker position determined by [Auto Calibration].
[Off]: You can hear sound from the actual speaker position.

Note

- This setting is only reflected after performing [Auto Calibration].
- You cannot select this function when the speaker layout is set to [All Front].

■ [Test Tone]

The speakers will emit a test tone to adjust [Level].

[Off]: The test tone is not emitted from the speakers.
[On]: The test tone is emitted from each speaker in sequence while adjusting level. When you select one of the [Speaker Settings] items, the test tone is emitted from each speaker in sequence. Adjust the sound level as follows.

1 Set [Test Tone] to [On].

2 Press ↑/↓ to select [Level], then press ⊕.

3 Press ↑/↓ to select the speaker type you want, then press ⊕.

4 Press ←/→ to select the left or right speaker, then press ↑/↓ to adjust the level.

5 Press ⊕.

6 Repeat Steps 3 to 5.

7 Press RETURN.
The system returns to the previous display.

8 Press ↑/↓ to select [Test Tone], then press +.

9 Press ↑/↓ to select [Off], then press +.

Note

- The test tone signals are not output from the HDMI (OUT) jack.
- The test tone is not emitted from the center speaker if [Centre Speaker] is set to [Off].

Tip

To adjust the volume of all the speakers at the same time, press ◿ +/–.

Using the Sleep Timer

You can set the system to turn off at a preset time, so you can fall asleep listening to music.

Press SLEEP.
Each time you press SLEEP, the minutes display (the remaining time) in the top panel display changes by 10 minutes.

When you set the sleep timer, the remaining time appears every 5 minutes.
When the remaining time is less than 2 minutes, "SLEEP" flashes in the top panel display.

To check the remaining time

Press SLEEP once.

To change the remaining time

Press SLEEP repeatedly.

Deactivating the Buttons on the Main Unit

(Child Lock)

You can deactivate the buttons on the main unit (except for I/⏻) for preventing misoperation, such as child mischief.

Touch and hold ■ on the main unit for more than 5 seconds.
"LOCKED" appears in the top panel display.
The child lock function is activated and the buttons on the main unit are locked. (You can operate the system by using the remote control.)
To cancel, touch and hold ■ for more than 5 seconds until "UNLOCK" appears in the top panel display.

Changing the Brightness

You can change the brightness of the following items:
– Illumination LED on the speakers (BDV-N9200WL/BDV-N7200WL only)
– Top panel display
– Indicator of the soft-touch buttons
– LED indicator on the top panel

Press DIMMER.
Each time you press the button, the brightness of the item is changed.
You can adjust the brightness in 3 levels.*

* For top panel display, the brightness for [Dimmer : 1], [Dimmer : 2] and [Dimmer : 3] settings are the same.

Tip

You can adjust the brightness of the Illumination LED on the speakers even when the main unit is turned off. Be sure to turn on the speaker illumination beforehand (page 51).

Enjoying the Visualization on the TV Screen

You can enjoy the visualizer effect which simulates the beat of the played back sources to the colorful designs and graphics. You can stream the effects during music playback (only for "BD/DVD", "USB", "FM", "TV", "BT" and "AUDIO" functions) and built-in sound demonstration.

Press VISUALIZER repeatedly. (BDV-N9200W/BDV-N7200W/ BDV-N5200W only)
Press COLOUR PATTERN repeatedly. (BDV-N9200WL/BDV-N7200WL only)

The visualization appears on the TV screen and synchronizes with the beat of the music. Each time you press the button, the color effect changes cyclically as follows:

[RAINBOW] → [PASSION] → [OCEAN] → [FOREST] → [Off]

Note

The visualizer effect may become unsmooth when you play back High Bitrate Audio content more than 15 Mbps.

Tip

- To avoid the information appears on the TV screen and overlaps with the visualization, set [Auto Display] in [System Settings] to [Off] (page 61).
- You can also select the visualizer effect by using the option menu.

Enjoying Speaker Illumination

(BDV-N9200WL/BDV-N7200WL only)

You can experience a more REAL immersive feeling just like you are in a stadium, live stage or inside the movie by turning on the illumination on the speakers. You can select the front and surround speakers illumination pattern according to your preference.

Note

The illumination LED light is bright, be sure to avoid looking directly at the LED light. If the illumination is glaring, you can turn off the speaker illumination or adjust the brightness of the illumination LED (page 49).

Tip

We recommend you to use the speakers under the following conditions.
– Place the speakers about 0.5 meter away from the wall.
– Better illumination effect when placed in front of a brightly-colored wall.

Press SPEAKER ILLUMINATION repeatedly.

"IMMERSIVE"
[Immersive Colour]
During video playback, the illumination color changes depending on the color of the TV screen.
During music playback or photo play (with MP3 files are played back), the illumination color changes depending on the visualization color (page 50) and synchronizes with the beat of the music.
During photo play (MP3 files are not played back), the lighting color is blue.

"AMBIENT"
[Ambient Colour]
The illumination LED lights up in blue.

"REAR IMMERSIVE OFF"
[Immersive Colour (Rear Off)]
The illumination of the surround speakers are turned off. The illumination pattern of the front speakers is same as [Immersive Colour] setting.

"REAR AMBIENT OFF"
[Ambient Colour (Rear Off)]
The illumination of the surround speakers are turned off. The illumination pattern of the front speakers is same as [Ambient Colour] setting.

"OFF"
[Off]
The illumination of all speakers are turned off.

When the main unit is turned off
You can press SPEAKER ILLUMINATION to turn on or off the illumination LED of the front speakers. The illumination LED lights up in blue.

Saving Power in Standby Mode

Check that you have made the following settings:
– [Control for HDMI] in [HDMI Settings] is set to [Off] (page 60).
– [Quick Start Mode] is set to [Off] (page 61).
– [Remote Start] is set to [Off] (page 63).
– [NFC] is set to [Off] (page 61).

Browsing Websites

1 **Prepare for Internet browsing.**
Connect the system to a network (page 25).

2 **Press HOME.**
The home menu appears on the TV screen.

3 **Press ←/→ to select [Network].**

4 **Press ↑/↓ to select [Internet Browser], then press .**
The [Internet Browser] display appears.

Note

Some websites may not display correctly, or not function.

To enter a URL

Select [URL entry] from the options menu.
Enter the URL using the software keyboard, then select [Enter].

To set the default start page

While the page you want to set is displayed, select [Set as start page] from the options menu.

To return to the previous page

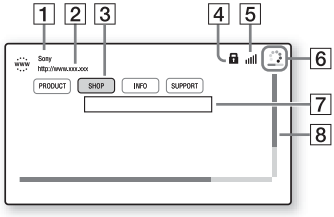
Select [Previous page] from the options menu.
When the previous page does not appear even if you select [Previous page], select [Window List] from the options menu and select the page you want to return to from the list.

To quit Internet Browser

Press HOME.

Internet Browser display

You can check website information by pressing DISPLAY. The display information differs depending on the website and page status.



1 Page title

2 Page address

3 Cursor
Move by pressing ←/↑/↓/→. Place the cursor on the link you want to view, then press +. The linked website is displayed.

4 SSL icon
Appears when the linked URL is secured.

5 Signal strength indicator
Appears when the system is connected to a wireless network.

6 Progress bar/Loading icon
Appears when the page is being read, or during file download/transfer.

7 Text input field
Press +, then choose [Input] from the options menu to open the software keyboard.

8 Scroll bar
Press ←/↑/↓/→ to move the page display left, up, down, or right.

Available options

Various settings and operations are available by pressing OPTIONS.
The available items differ depending on the situation.

[Browser Setup]
Displays the Internet Browser settings.
- [Zoom]: Increases or decreases the size of the displayed contents.
- [JavaScript Setup]: Sets whether to enable or disable JavaScript.
- [Cookie Setup]: Sets whether or not to accept browser cookies.
- [SSL Alarm Display]: Sets whether to enable or disable SSL.

[Window List]
Displays a list of all current opened websites. Allows you to return to a previous displayed website by selecting the window.

[Bookmark List]
Displays the bookmark list.

[URL entry]
Allows you to enter a URL when the software keyboard is displayed.

[Previous page]
Moves to a previous displayed page.

[Next page]
Moves to the next page.

[Cancel loading]
Stops loading a page.

[Reload]
Reloads the same page.

[Add to Bookmark]
Adds the current displayed website to the bookmark list.

[Set as start page]
Sets the current displayed website as the default start page.

[Open in new window]
Opens a link in a new window.

[Character encoding]
Sets the character encoding system.

[Display certificate]
Displays server certificates sent from pages that support SSL.

[Input]
Displays the software keyboard to enter characters while browsing a website.

[Break]
Moves the cursor to the next line in the text input field.

[Delete]
Erases one character on the left side of the cursor during text input.

Further Settings for the Wireless System

You can make further settings for the wireless system by using the [Wireless Sound Connection] settings.

1. **Press HOME.**
   The home menu appears on the TV screen.
2. **Press ←/→ to select [Setup].**
3. **Press ↑/↓ to select [System Settings], then press .**
4. **Press ↑/↓ to select [Wireless Sound Connection], then press .**
   The [Wireless Sound Connection] display appears.
   - [Secure Link] (page 53)
   - [RF Band]* (page 54)
   - [RF Channel] (page 54)

   * This function may not be available in some countries/regions.

Activating wireless transmission between specific units

[Secure Link]
You can specify the wireless connection to link the main unit to the surround amplifier using the Secure Link function. This function can help prevent interference if you use multiple wireless products or your neighbors use wireless products.

1. **Select [Wireless Sound Connection] in [System Settings] (page 53).**
2. **Press ↑/↓ to select [Secure Link], then press .**
3. **Press ↑/↓ to select [On], then press .**
4. **Press SECURE LINK on the rear of the surround amplifier.**
   Proceed to the next Step within a few minutes.
5. **Press ←/→ to select [Start], then press .**
   To return to the previous display, select [Cancel].
6. **After the message [Secure Link setting is complete.] appears, press .**
   The surround amplifier is linked to the main unit and the LINK/STANDBY indicator turns orange. If the message [Cannot set Secure Link.] appears, follow the on-screen messages.

To cancel the Secure Link function

For the main unit
Select [Off] on Step 3 above.

For the surround amplifier
Hold down SECURE LINK on the rear of the surround amplifier until the LINK/STANDBY indicator turns green or flashes green.

Selecting the frequency bandwidth

[RF Band]
(Europe, Oceania, Africa, India, Middle East, Thailand, and Russia models only)

You can select the frequency bandwidth which [RF Channel] belongs to.

Note

This function may not be available in some countries/regions.

1 **Select [Wireless Sound Connection] in [System Settings] (page 53).**

2 **Press ↑/↓ to select [RF Band], then press +.**

3 **Press ↑/↓ to select the setting you want, then press +.**

- [Auto]: Normally select this. The system automatically selects the strongest frequency bandwidth for transmission.
- [5.2GHz], [5.8GHz]: The system transmits sound according to the selected frequency bandwidth.

Tip

We recommend you to set [RF Band] to [Auto].

If wireless transmission is unstable

[RF Channel]

If you use multiple wireless systems, such as a wireless LAN (Local Area Network), the wireless signals may be unstable. In this case, the transmission may be improved by changing the following [RF Channel] setting.

1 **Select [Wireless Sound Connection] in [System Settings] (page 53).**

2 **Press ↑/↓ to select [RF Channel], then press +.**

3 **Press ↑/↓ to select the setting you want, then press +.**

- [Auto]: Normally select this. The system automatically selects the better channel for transmission.
- [1], [2], [3]: The system transmits sound by fixing the channel for transmitting. Select the channel with the better transmission.

Note

- The transmission may be improved by changing the transmission channel (frequency) of the other wireless system(s). For details, refer to the operating instructions of the other wireless system(s).
- You cannot select this function when the [RF Band] is set to [Auto] (page 54).

Using the Setup Display

You can make various adjustments to items such as picture and sound.
The default settings are underlined.

Note

Playback settings stored in the disc take priority over the Setup Display settings. Therefore, some of the functions may not be performed.

1 **Press HOME.**
The home menu appears on the TV screen.

2 **Press ←/→ to select [Setup].**

3 **Press ↑/↓ to select the setup category icon, then press .**

Icon	Explanation
	[Software Update] (page 55) Updates the software of the system.
	[Screen Settings] (page 56) Makes the screen settings according to the type of TV.
	[Audio Settings] (page 58) Makes the audio settings according to the type of connecting jacks.
	[BD/DVD Viewing Settings] (page 59) Makes detailed settings for BD/DVD playback.
	[Parental Control Settings] (page 60) Makes detailed settings for the Parental Control function.
	[Music Settings] (page 60) Makes detailed settings for Super Audio CD playback.
	[System Settings] (page 60) Makes the system-related settings.
	[External Input Settings] (page 62) Sets the input skip setting for each external input.
	[Network Settings] (page 62) Makes detailed settings for Internet and network.
1-2-3	**[Easy Network Settings] (page 63)** Runs [Easy Network Settings] to make the basic network settings.
	[Resetting] (page 63) Resets the system to the factory settings.

[Software Update]

By updating your software to the latest version, you can take advantage of the newest functions.

During a software update, “UPDATE” appears in the top panel display. After the update completes, the main unit automatically turns off.
While the updating operation is in progress, do not turn on or off the main unit, or operate the main unit or TV. Wait for the software update to complete.

Note

For information about update functions, visit the following website:

For customers in Europe and Russia:
http://support.sony-europe.com/

For customers in other countries/regions:
http://www.sony-asia.com/section/support

■ **[Update via Internet]**
Updates the system's software using available network. Make sure network is connected to the Internet. For details, see "Step 3: Preparing for Network Connection" (page 25).

■ **[Update via USB Memory]**
Updates software using USB memory. Make sure that the Software Update Folder is correctly named as "UPDATE".

[Screen Settings]

■ **[3D Output Setting]**
[Auto]: Normally select this.
[Off]: Select this to display all contents in 2D.

Note

3D video from the HDMI (IN 1) or HDMI (IN 2) jack is output regardless of this setting.

■ **[TV Screen Size Setting for 3D]**
Sets the screen size of your 3D-compatible TV.

Note

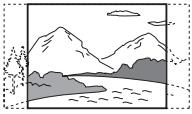
This setting does not work for 3D video from the HDMI (IN 1) or HDMI (IN 2) jack.

■ **[TV Type]**
[16:9]: Select this when connecting to a wide-screen TV or a TV with a wide-mode function.
[4:3]: Select this when connecting to a 4:3 screen TV without a wide-mode function.

■ **[Screen Format]**
[Full]: Select this when connecting to a TV with a wide-mode function. Displays a 4:3 screen picture in 16:9 aspect ratio even on a wide-screen TV.
[Normal]: Changes the picture size to fit the screen size with the original picture aspect ratio.

■ **[DVD Aspect Ratio]**
[Letter Box]: Displays a wide picture with black bands on the top and bottom.

[Pan & Scan]: Displays a full-height picture on the entire screen, with trimmed sides.



■ **[Cinema Conversion Mode]**
[Auto]: Normally select this. The main unit automatically detects whether the material is video-based or film-based, and switches to the appropriate conversion method.
[Video]: The conversion method suited for video-based material will always be selected regardless of the material.

■ **[Output Video Resolution]**

[Auto]: Outputs video signal according to the resolution of the TV or connected equipment.
[Original Resolution]: Outputs video signal according to the resolution recorded on the disc. (When the resolution is lower than SD resolution, it is scaled up to SD resolution.)
[480i/576i]*, [480p/576p]*, [720p], [1080i], [1080p]: Outputs video signal according to the selected resolution setting.

* If the color system of your disc is NTSC, the video signals resolution can be converted to [480i] and [480p] only.

■ **[BD-ROM 24p Output]**

[Auto]: Outputs 24p video signals only when you connect a 1080/24p-compatible TV via an HDMI connection and the [Output Video Resolution] is set to [Auto] or [1080p].
[On]: Select this when your TV is compatible with 1080/24p video signals.
[Off]: Select this when your TV is not compatible with 1080/24p video signals.

■ **[DVD-ROM 24p Output]**

[Auto]: Outputs 24p video signals only when you connect a 1080/24p-compatible TV via an HDMI connection and the [Output Video Resolution] is set to [Auto] or [1080p].
[Off]: Select this when your TV is not compatible with 1080/24p video signals.

■ **[4K Output]**

[Auto1]: Outputs 2K (1920 × 1080) video signals during video playback and 4K video signals during photo play when connecting to a Sony 4K-compatible equipment.
Outputs 4K video signals during playback of 24p video contents in BD/DVD ROMs or photo play when connecting to a non-Sony 4K-compatible equipment.
This setting does not work for 3D video image playback.
[Auto2]: Automatically outputs 4K/24p video signals when you connect a 4K/24p-compatible equipment and make the appropriate settings in [BD-ROM 24p Output] or [DVD-ROM 24p Output], and also outputs 4K/24p photo images when you play 2D photo files.
[Off]: Turns off the function.

Note

If your Sony equipment is not detected when [Auto1] is selected, the setting will have the same effect as [Auto2] setting.

■ **[YCbCr/RGB (HDMI)]**

[Auto]: Automatically detects the type of external equipment, and switches to the matching color setting.
[YCbCr (4:2:2)]: Outputs YCbCr 4:2:2 video signals.
[YCbCr (4:4:4)]: Outputs YCbCr 4:4:4 video signals.
[RGB]: Select this when connecting to an equipment with an HDCP compliant DVI jack.

■ **[HDMI Deep Colour Output]**

[Auto]: Normally select this.
[16bit], [12bit], [10bit]: Outputs 16bit/12bit/10bit video signals when the connected TV is compatible with Deep Colour.
[Off]: Select this when the picture is unstable or colors appear unnatural.

■ **[SBM] (Super Bit Mapping)**
[On]: Smooths the gradation of video signals output from the HDMI (OUT) jack.
[Off]: Select this when outputting distorted video signals or unnatural color.

■ **[IP Content NR Pro]**
[Video3]/[Video2]/[Video1]/[Film1]/[Film2]/[Film3]: Adjusts the video quality for Internet content. This setting is same as the setting in option menu when using the Internet service.
[Off]: Off.

■ **[Pause Mode]**
[Auto]: Normally select this. The picture, including subjects that move dynamically, is output with no jitter.
[Frame]: The picture, including subjects that do not move dynamically, is output in high resolution.

[Audio Settings]

■ **[BD Audio MIX Setting]**
[On]: Outputs the audio obtained by mixing the interactive audio and secondary audio to the primary audio during BDMV playback.
[Off]: Outputs the primary audio only.

■ **[Audio DRC]**
You can compress the dynamic range of the sound track.

[Auto]: Performs playback at the dynamic range specified by the disc (BD-ROM only).
[On]: The system reproduces the sound track with the kind of dynamic range that the recording engineer intended.
[Off]: No compression of dynamic range.

■ **[Attenuation settings - AUDIO]**
Distortion may occur when you listen to an equipment connected to the AUDIO IN (L/R) jacks. You can prevent distortion by attenuating the input level on the main unit.

[On]: Attenuates the input level. The output level will decrease at this setting.
[Off]: Normal input level.

■ **[Audio Output]**
You can select the output method where the audio signal is output.

[Speaker]: Outputs multi-channel sound from the system's speakers only.
[Speaker + HDMI]: Outputs multi-channel sound from the system's speakers and 2-channel linear PCM signals from the HDMI (OUT) jack.
[HDMI]: Outputs sound from the HDMI (OUT) jack only. Sound format depends on the connected equipment.

Note

- When [Control for HDMI] is set to [On] (page 60), [Audio Output] is set to [Speaker + HDMI] automatically and this setting cannot be changed.
- Audio signals are not output from the HDMI (OUT) jack when [Audio Output] is set to [Speaker + HDMI] and [HDMI1 Audio Input Mode] (page 61) is set to [TV]. (Europe models only)

■ **[Sound Effect]**
You can turn on or off the system's sound effects (SOUND FIELD setting (page 29)).
For a 2-channel source, you can select [Dolby Pro Logic], [DTS Neo:6 Cinema], or [DTS Neo:6 Music] to simulate surround sound.

[Sound Field On]: Enables the surround effect of the sound field (pages 29, 30).
[Dolby Pro Logic]: The systems simulates surround sound from 2-channel sources and outputs sound from all speakers (5.1 channel) (Dolby Pro Logic decoding).
[DTS Neo:6 Cinema]/[DTS Neo:6 Music]: The system simulates surround sound from 2-channel sources and produces multi-channel sound (DTS Neo:6 Cinema/DTS Neo:6 Music mode decoding).
[2ch Stereo]: This system outputs the sound from the front left/right speakers and subwoofer only.
Multi-channel surround formats are downmixed to 2-channel.
[Off]: The sound effects are disabled. You can hear sound as it is recorded.

■ **[Speaker Settings]**
To obtain optimum surround sound, set the speakers. For details, see "Setting the Speakers" (page 47).

■ **[Auto Calibration] (BDV-N9200W/BDV-N9200WL/ BDV-N7200W/BDV-N7200WL only)**
You can calibrate the appropriate settings automatically. For details, see "Calibrating the Appropriate Speaker Settings Automatically" (page 46).

[BD/DVD Viewing Settings]

■ **[BD/DVD Menu Language]**
You can select the default menu language for BD-ROMs or DVD ROMs. When you select [Select Language Code], the display for entering the language code appears. Enter the code for your language by referring to "Language Code List" (page 79).

■ **[Audio Language]**
You can select the default track language for BD-ROMs or DVD VIDEOs. When you select [Original], the language given priority in the disc is selected.
When you select [Select Language Code], the display for entering the language code appears. Enter the code for your language by referring to "Language Code List" (page 79).

■ **[Subtitle Language]**
You can select the default subtitle language for BD-ROMs or DVD VIDEOs. When you select [Select Language Code], the display for entering the language code appears. Enter the code for your language by referring to "Language Code List" (page 79).

■ **[BD Hybrid Disc Playback Layer]**
[BD]: Plays BD layer.
[DVD/CD]: Plays DVD or CD layer.

■ **[BD Internet Connection]**
[Allow]: Normally select this.
[Do not allow]: Prohibits Internet connection.

[Parental Control Settings]

■ **[Password]**
Set or change the password for the Parental Control function. A password allows you to set a restriction on BD-ROM, DVD VIDEO, or Internet video playback. If necessary, you can differentiate the restriction levels for BD-ROMs and DVD VIDEOs.

■ **[Parental Control Area Code]**
Playback of some BD-ROMs or DVD VIDEOs can be limited according to the geographic area. Scenes may be blocked or replaced with different scenes. Follow the on-screen instructions and enter your four-digit password.

■ **[BD Parental Control]/[DVD Parental Control]/[Internet Video Parental Control]**
By setting Parental Control, scenes can be blocked or replaced with different scenes. Follow the on-screen instructions and enter your four-digit password.

■ **[Internet Video Unrated]**
[Allow]: Allows the playback of unrated Internet videos.
[Block]: Blocks the playback of unrated Internet videos.

[Music Settings]

■ **[Super Audio CD Playback Layer]**
[Super Audio CD]: Plays the Super Audio CD layer.
[CD]: Plays the CD layer.

■ **[Super Audio CD Playback Channels]**
[DSD 2ch]: Plays the 2-channel area.
[DSD Multi]: Plays the multi-channel area.

[System Settings]

■ **[OSD Language]**
You can select the language you want for the system on-screen display.

■ **[Wireless Sound Connection]**
You can make further settings for the wireless system. For details, see “Further Settings for the Wireless System” (page 53).
You can also check the wireless transmission status. When wireless transmission is activated, [OK] appears to the right of [Status].

■ **[HDMI Settings]**
[Control for HDMI]
[On]: Turns on the [Control for HDMI] function. You can operate mutually between equipment that are connected with an HDMI cable.
[Off]: Off.

[Audio Return Channel]
This function is available when you connect the system to a TV's HDMI IN jack that is compatible with the Audio Return Channel function and [Control for HDMI] is set to [On].
[Auto]: The system can receive the digital audio signal of the TV automatically via an HDMI cable.
[Off]: Off.

[HDMI1 Audio Input Mode] (Europe models only)
You can select the audio input of the equipment that is connected to the HDMI (IN 1) jack.
[HDMI1]: The sound of the equipment that is connected to the HDMI (IN 1) jack is input from the HDMI (IN 1) jack.
[TV]: The sound of the equipment that is connected to the HDMI (IN 1) jack is input from the TV (DIGITAL IN OPTICAL) jack.

■ **[NFC]**
[On]: Turns on NFC function to enjoy the One-touch listening and mirroring function on this system (page 36).
[Off]: Off.

■ **[Quick Start Mode]**
[On]: Shortens the startup time from standby mode. You can operate the system quickly after turning it on.
[Off]: The default setting.

■ **[Power Save Drive]**
[On]: Reduces power consumption when volume level is low.
[Off]: Normal status. The system can output sound volume.

■ **[Auto Standby]**
[On]: Turns on the [Auto Standby] function. When you do not operate the system for about 20 minutes, the system enters standby mode automatically.
[Off]: Off.

■ **[Auto Display]**
[On]: Automatically displays information on the screen when changing the viewing titles, picture modes, audio signals, etc.
[Off]: Displays information only when you press DISPLAY.

■ **[Screen Saver]**
[On]: Turns on the screen saver function.
[Off]: Off.

■ **[Software Update Notification]**
[On]: Sets the system to inform you of latest software version information (page 55).
[Off]: Off.

■ **[Gracenote Settings]**
[Auto]: Automatically downloads disc information when you start or stop playback of the disc. To download, the system must be connected to the network.
[Manual]: Downloads disc information when [Video Search] or [Music Search] is selected.

■ **[Device Name]**
You can change the name of this system according to your preference so that it is more recognizable during “BT” or “SCR M” function. The name is also used in other network usage such as DLNA, TV SideView. Follow on-screen instructions and use software keyboard to enter the name.

■ **[System Information]**
You can display the system’s software version information and the MAC address.

■ **[Software License Information]**
You can display the Software License Information.

[External Input Settings]

■ **[Input Skip Setting]**
The skip setting is a convenient feature that allows you to skip unused inputs when selecting a function by pressing FUNCTION.

[Do not skip]: The system does not skip the selected function.
[Skip]: The system skips the selected function.

■ **[Bluetooth AUDIO - AAC]**
You can enable and disable AAC audio.

[On]: AAC audio if the BLUETOOTH device supports AAC.
[Off]: SBC audio.

Note

You can enjoy high quality sound if the AAC is enabled. In case you cannot listen to AAC sound from your device, select [Off].

■ **[Bluetooth Power Setting]**
[On]: The BLUETOOTH power is turned on. A paired BLUETOOTH device can always connect to the main unit.
[Off]: The BLUETOOTH power is only turned on when “BT” function is selected.

Note

In some applications, you may not be able to make the connection directly from the BLUETOOTH device even though you have set [Bluetooth Power Setting] to [On]. In this case, press BLUETOOTH.

[Network Settings]

■ **[Internet Settings]**
Connect the system to the network beforehand. For details, see “Step 3: Preparing for Network Connection” (page 25).

[Wired Setup]: Select this when you connect to a broadband router using a LAN cable. When you select this setting, the built-in wireless LAN is disabled automatically.
[Wireless Setup(built-in)]: Select this when you use the built-in wireless LAN of the system for wireless network connection.

Tip

For further details, visit the following website and check the FAQ:

For customers in Europe and Russia:
http://support.sony-europe.com/

For customers in other countries/regions:
http://www.sony-asia.com/section/support

■ **[Network Connection Status]**
Displays the current network connection status.

■ **[Network Connection Diagnostics]**
You can run the network diagnostic to check if the network connection has been made properly.

■ **[Connection Server Settings]**
Sets whether or not to display the connected DLNA server.

■ **[Auto Renderer Access Permission]**
[On]: Allows automatic access from a newly detected DLNA controller.
[Off]: Off.

■ **[Renderer Access Control]**
Sets whether or not to accept commands from DLNA controllers.

■ **[Registered Remote Devices]**
Displays a list of your registered remote devices.

■ **[Remote Start]**
[On]: Allows turn on the system by a device linked via network when the system is in standby mode.
[Off]: The system cannot be turned on by a device linked via network.

1-2-3 [Easy Network Settings]

Runs [Easy Network Settings] to make the basic network settings. Follow the on-screen instructions.

[Resetting]

■ **[Reset to Factory Default Settings]**
You can reset the system settings to the factory default by selecting the group of settings. All the settings within the group will be reset.

■ **[Initialise Personal Information]**
You can erase your personal information stored in the system.

Note

If you dispose, transfer or resell this system, please delete all Personal Information for security purposes. Please take the appropriate measures such as logging out after using a network service.

Precautions

On safety

- Should any solid object or liquid fall into the cabinet, unplug the system and have it checked by qualified personnel before operating it any further.
- Do not touch the AC power cord (mains lead) with wet hands. Doing so may cause an electric shock.

On power sources

If you are not going to use the system for a long time, be sure to disconnect the system from the wall outlet. To disconnect the AC power cord (mains lead), grasp the plug itself; never pull the cord.

On placement

- Place the system in a location with adequate ventilation to prevent heat build-up in the system.
- Although the system heats up during operation, this is not a malfunction. If you continuously use this system at a large volume, the cabinet temperature of the top, side and bottom rises considerably. To avoid burning yourself, do not touch the cabinet.
- Do not place the system on a soft surface (rugs, blankets, etc.) that might block the ventilation holes.
- Do not install the system near heat sources such as radiators, air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration, or shock.
- Do not install the system in an inclined position. It is designed to be operated in a horizontal position only.
- Keep the system and discs away from components with strong magnets, such as microwave ovens, or large loudspeakers.
- Do not place heavy objects on the system.
- Do not place metal objects in front of the front panel. It may limit reception of radio waves.
- Do not place the system in a place where medical equipment is in use. It may cause a malfunction of medical equipment.
- If you use a pacemaker or other medical device, consult your physician or the manufacturer of your medical device before using the wireless LAN function.

On operation

If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lenses inside the main unit. Should this occur, the system may not operate properly. In this case, remove the disc and leave the system turned on for about half an hour until the moisture evaporates.

On adjusting volume

Do not turn up the volume while listening to a section with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level section is suddenly played.

On cleaning

Clean the cabinet, panel, and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

On cleaning discs, disc/lens cleaners

Do not use cleaning discs or disc/lens cleaners (including wet or spray types). These may cause the apparatus to malfunction.

On replacement of parts

In the events that this system is repaired, repaired parts may be retained for reuse or recycling purposes.

On your TV's color

If the speakers cause the color irregularity on your TV screen, turn off the TV then turn it on after 15 to 30 minutes. If color irregularity persist, place the speakers further away from the TV set.

IMPORTANT NOTICE
Caution: This system is capable of holding a still video image or on-screen display image on your TV screen indefinitely. If you leave the still video image or on-screen display image displayed on your TV for an extended period of time, you risk permanent damage to your TV screen. Plasma display panel televisions and projection televisions are susceptible to this.

On moving the system

Before moving the system, make sure that there is no disc inserted, and disconnect the AC power cord (mains lead) from the wall outlet (mains).

On BLUETOOTH communication

- BLUETOOTH devices should be used within approximately 10 meters (unobstructed distance) of each other. The effective communication range may become shorter under the following conditions.
  - When a person, metal object, wall or other obstruction is between the devices with a BLUETOOTH connection
  - Locations where a wireless LAN is installed
  - Around microwave ovens that are in use
  - Locations where other electromagnetic waves occur
- BLUETOOTH devices and wireless LAN (IEEE 802.11b/g) use the same frequency band (2.4 GHz). When using your BLUETOOTH device near a device with wireless LAN capability, electromagnetic interference may occur. This could result in lower data transfer rates, noise, or inability to connect. If this happens, try the following remedies:
  - Use this main unit at least 10 meters away from the wireless LAN device.
  - Turn off the power to the wireless LAN equipment when using your BLUETOOTH device within 10 meters.
  - Install this main unit and BLUETOOTH device as closer to each other as possible.
- The radio waves broadcast by this main unit may interfere with the operation of some medical devices. Since this interference may result in malfunction, always turn off the power on this main unit and BLUETOOTH device in the following locations:
  - In hospitals, on trains, in airplanes, at gas stations, and any place where flammable gasses may be present
  - Near automatic doors or fire alarms

- This main unit supports security functions that comply with the BLUETOOTH specification to ensure secure connection during communication using BLUETOOTH technology. However, this security may be insufficient depending on the setting contents and other factors, so always be careful when performing communication using BLUETOOTH technology.
- Sony cannot be held liable in any way for damages or other loss resulting from information leaks during communication using BLUETOOTH technology.
- BLUETOOTH communication is not necessarily guaranteed with all BLUETOOTH devices that have the same profile as this main unit.
- BLUETOOTH devices connected with this main unit must comply with the BLUETOOTH specification prescribed by the Bluetooth SIG, Inc., and must be certified to comply. However, even when a device complies with the BLUETOOTH specification, there may be cases where the characteristics or specifications of the BLUETOOTH device make it impossible to connect, or may result in different control methods, display or operation.
- Noise may occur or the audio may cut off depending on the BLUETOOTH device connected with this main unit, the communications environment, or surrounding conditions.

If you have any questions or problems concerning your system, please consult your nearest Sony dealer.

Notes about Discs

On handling discs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.

- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature may rise considerably inside the car.
- After playing, store the disc in its case.

On cleaning

- Before playing, clean the disc with a cleaning cloth.
  Wipe the disc from the center out.

- Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for vinyl LPs.

This system can only play a standard circular disc. Using neither standard nor circular discs (e.g., card, heart, or star shape) may cause a malfunction.

Do not use a disc that has a commercially available accessory attached, such as a label or ring.

Troubleshooting

If you experience any of the following difficulties while using the system, use this troubleshooting guide to help remedy the problem before requesting repairs. Should any problem persist, consult your nearest Sony dealer.
In the event of a problem with the wireless sound function, have a Sony dealer check the entire system (main unit and surround amplifier).

General

The power does not turn on.
→ Check that the AC power cord (mains lead) is connected securely.

The remote control does not function.
→ The distance between the remote control and the main unit is too far.
→ The batteries in the remote control are weak.

The disc lid does not open and you cannot remove the disc even after you press ⏏.
→ Try the following:
① Press and hold ► and ⏏ on the main unit for more than 5 seconds to open the disc lid.
② Remove the disc.
③ Disconnect the AC power cord (mains lead) from the wall outlet (mains), then reconnect after several minutes.

The system does not work normally.
→ Disconnect the AC power cord (mains lead) from the wall outlet (mains), then reconnect after several minutes.

Messages

[A new software version is available. Please go to the "Setup" section of the menu and select "Software Update" to perform the update.] appears on the TV screen.
→ See [Software Update] (page 55) to update the system to a latest software version.

"PRTECT", "PUSH" and "POWER" appear alternately in the top panel display.
→ Press I/⏻ to turn off the system, and check the following items after "STBY" disappears.
- Are the + and – speaker cords short-circuited?
- Are you using only the supplied speakers?
- Is anything blocking the ventilation holes of the system?
- After checking the above items and fixing any problems, turn on the system. If the cause of the problem cannot be found even after checking all the above items, consult your nearest Sony dealer.

"LOCKED" flashes in the top panel display when you press any button on the main unit.
→ Set the child lock function to off (page 49).

"D. LOCK" appears in the top panel display.
→ Contact your nearest Sony dealer or local authorized Sony service facility.

"E xxxx" (x is a number) appears in the top panel display.

→ Contact your nearest Sony dealer or local authorized Sony service facility and give the error code.

⚠ appears without any messages on the entire TV screen.

→ Contact your nearest Sony dealer or local authorized Sony service facility.

"NOT.USE" appears in the top panel display when you press any of the sound field buttons (page 17).

→ The setting for the sound field buttons cannot be changed when the [Sound Effect] is set to other than [Sound Field On]. Set [Sound Effect] in [Audio Settings] to [Sound Field On] (page 59).

Picture

There is no picture or the picture is not output correctly.

→ Check the output method on your system (page 22).

→ Touch and hold ► and VOL – on the main unit for more than 5 seconds to reset the video output resolution to the lowest resolution.

→ For BD-ROMs, check the [BD-ROM 24p Output] settings in [Screen Settings] (page 57).

There is no picture when you make an HDMI cable connection.

→ The main unit is connected to an input device that is not HDCP (High-bandwidth Digital Content Protection) compliant ("HDMI" in the top panel does not light up) (page 22).

3D images from the HDMI (IN 1) or HDMI (IN 2) jack do not appear on the TV screen.

→ Depending on the TV or video equipment, 3D images may not appear.

The dark area of the picture is too dark/ the bright area is too bright or unnatural.

→ Set [Picture Quality Mode] to [Auto] (default) (page 41).

Picture noise appears.

→ Clean the disc.

→ If the picture output from your system goes through your equipment to get to your TV, the copy-protection signal applied to some BD/DVD programs could affect picture quality. If you still experience problems even when you connect your main unit directly to your TV, try connecting your main unit to the other input jacks.

An image is not displayed on the entire TV screen.

→ Check the setting of [TV Type] in [Screen Settings] (page 56).

→ The aspect ratio on the disc is fixed.

Color irregularity occurs on the TV screen.

→ If the speakers are used with a CRT-based TV or projector, install the speakers at least 0.3 meters from the TV set.

→ If the color irregularity persists, turn off the TV set once, then turn it on after 15 to 30 minutes.

→ Make sure that no magnetic object (magnetic latch on a TV stand, health care device, toy, etc.) is placed near the speakers.

Sound

There is no sound.
→ The speaker cords are not connected securely.
→ Check the speaker settings (page 47).

The Super Audio CD sound of an equipment that is connected to the HDMI (IN 1) or HDMI (IN 2) jack is not output.
→ HDMI (IN 1) and HDMI (IN 2) does not accept an audio format that contains copy protection. Connect the analog audio output of the equipment to the AUDIO IN (L/R) jacks of the main unit.

There is no sound from the TV via the HDMI (OUT) jack when using the Audio Return Channel function.
→ Set [Control for HDMI] in [HDMI Settings] of [System Settings] to [On] (page 60). Also, set [Audio Return Channel] in [HDMI Settings] of [System Settings] to [Auto] (page 61).
→ Make sure that your TV is compatible with the Audio Return Channel function.
→ Make sure that an HDMI cable is connected to a jack on your TV that is compatible with the Audio Return Channel function.

The system does not output sound of TV programs correctly when connected to a set-top box.
→ Set [Audio Return Channel] in [HDMI Settings] of [System Settings] to [Off] (page 61).
→ Check the connections (page 23).

Severe hum or noise is heard.
→ Move your audio equipment away from the TV.
→ Clean the disc.

The sound loses stereo effect when you play a CD.
→ Select stereo sound by pressing AUDIO (page 43).

The sound outputs from the center speaker only.
→ Depending on the disc, the sound may output from the center speaker only.

No sound or only a very low-level sound is heard from the surround speakers.
→ Check the speaker connections and settings (pages 21, 47).
→ Check the sound field setting (page 29).
→ Depending on the source, the effect of the surround speakers may be less noticeable.
→ Set [Sound Field] to [ClearAudio+] (page 29).

Distortion occurs in the sound of a connected equipment.
→ Reduce the input level for the connected equipment by setting [Attenuation settings - AUDIO] (page 58).

A sudden loud music is heard.
→ The built-in or USB sound demonstration is activated. Press – to reduce the volume or press ■ to stop the demonstration.

Wireless sound

Wireless transmission is not activated or there is no sound from the surround speakers.

→ Check the status of the LINK/STANDBY indicator on the surround amplifier.
- Turns off.
  - Check that the AC power cord (mains lead) of the surround amplifier is connected securely.
  - Turn the surround amplifier on by pressing I/⏻ on the surround amplifier.
- Flashes red.
  - Press I/⏻ to turn off the surround amplifier, and check the following items.
    ① Are the + and – speaker cords short-circuited?
    ② Is anything blocking the ventilation holes of the surround amplifier?

    After checking the above items and fixing any problems, turn on the surround amplifier. If the cause of the problem cannot be found even after checking all the above items, consult your nearest Sony dealer.
- Flashes green or orange slowly or turns red.
  - Make the [Secure Link] setting again (page 53).
  - Sound transmission is poor. Move the surround amplifier so that the LINK/STANDBY indicator turns green or orange.
  - Move the system away from other wireless devices.
  - Avoid using any other wireless devices.
- Turns green or orange.
  - Check the speaker connections and settings.

Noise is heard from surround speakers or sound from the surround speakers skips.

→ Wireless transmission is unstable. Change the [RF Channel] setting in [Wireless Sound Connection] (page 54).

→ Install the main unit and surround amplifier closer to each other.

→ Do not install the main unit and surround amplifier in a closed rack, on a metal rack, or under a table.

Tuner

Radio stations cannot be tuned in.

→ Check that the antenna (aerial) is connected securely. Adjust the antenna (aerial) or connect an external antenna (aerial) if necessary.

→ The signal strength of the stations is too weak (when tuning in with automatic tuning). Use manual tuning.

Playback

The disc does not play.

→ The region code on the BD/DVD does not match the system.

→ Moisture has condensed inside the main unit and may cause damage to the lenses. Remove the disc and leave the main unit turned on for about half an hour.

→ The system cannot play a recorded disc that is not correctly finalized (page 73).

File names are not displayed correctly.

→ The system can only display ISO 8859-1 compliant character formats. Other character formats may be displayed differently.

→ Depending on the writing software used, the input characters may be displayed differently.

A disc does not start playing from the beginning.

→ Resume play has been selected. Press OPTIONS and select [Play from start], then press ⊡.

Playback does not start from the resume point where you last stopped playing.

→ The resume point may be cleared from memory depending on the disc when
- you open the disc lid.
- you disconnect the USB device.
- you play other content.
- you turn off the main unit.

The language for the soundtrack/ subtitle or angles cannot be changed.

→ Try using the BD's or DVD's menu.
→ Multilingual tracks/subtitles or multi-angles are not recorded on the BD or DVD being played.

Bonus contents or other data that are contained in a BD-ROM cannot be played.

→ Try the following:
① Remove the disc.
② Turn the system off.
③ Remove and reconnect the USB device (page 33).
④ Turn the system on.
⑤ Insert the BD-ROM with BONUSVIEW/BD-LIVE.

USB device

The USB device is not recognized.

→ Try the following:
① Turn the system off.
② Remove and reconnect the USB device.
③ Turn the system on.
→ Make sure that the USB device is securely connected to the ⚷ (USB) port.
→ Check if the USB device or a cable is damaged.
→ Check if the USB device is on.
→ If the USB device is connected via a USB hub, disconnect it and connect the USB device directly to the main unit.

BRAVIA Internet Video

The picture/sound is poor/certain programs display with a loss of detail, especially during fast-motion or dark scenes.

→ Picture/sound quality may be poor depending on Internet content providers.
→ Picture/sound quality may be improved by changing the connection speed. Sony recommends a connection speed of at least 2.5 Mbps for standard-definition video and 10 Mbps for high-definition video.
→ Not all videos contain sound.

The picture is small.

→ Press ↑ to zoom in.

"BRAVIA" Sync ([Control for HDMI])

The [Control for HDMI] function does not work ("BRAVIA" Sync).

→ Check that [Control for HDMI] is set to [On] (page 60).
→ If you change the HDMI connection, turn the system off and on again.
→ If power failure occurs, set [Control for HDMI] to [Off], then set [Control for HDMI] to [On] (page 60).

→ Check the following and refer to the operating instructions supplied with the equipment.
  - The connected equipment is compatible with the [Control for HDMI] function.
  - The connected equipment's setting for the [Control for HDMI] function is correct.

Network connection

The system cannot connect to the network.

→ Check the network connection (page 25) and the network settings (page 62).

Wireless LAN connection

You cannot connect your PC to the Internet after [Wi-Fi Protected Setup (WPS)] is performed.

→ The wireless settings of the router may change automatically if you use the Wi-Fi Protected Setup function before adjusting the settings of the router. In this case, change the wireless settings of your PC accordingly.

The system cannot connect to the network or the network connection is unstable.

→ Check if the wireless LAN router is on.

→ Check the network connection (page 25) and the network settings (page 62).

→ Depending on the usage environment, including the wall material, radio wave reception conditions, or obstacles between the system and the wireless LAN router, the possible communication distance may be shortened. Move the system and the wireless LAN router closer to each other.

→ Devices that use a 2.4 GHz frequency band, such as a microwave, BLUETOOTH, or digital cordless device, may interrupt communication. Move the main unit away from such devices, or turn off such devices.

→ The wireless LAN connection may be unstable depending on the usage environment, especially while using the BLUETOOTH function of the system. In this case, adjust the usage environment.

The wireless router you want is not shown in the wireless network list.

→ Press RETURN to return to the previous screen, and try [Wireless Setup(built-in)] again. If the wireless router you want is still not detected, select [New connection registration] from the network list, then select [Manual registration] to input a network name (SSID) manually.

BLUETOOTH device

Pairing cannot be done.

→ Move the BLUETOOTH device closer to the main unit.

→ Pairing may not be possible if other BLUETOOTH devices are present around the main unit. In this case, turn off the other BLUETOOTH devices.

→ Delete the system from your BLUETOOTH device and perform pairing again (page 34).

Connecting cannot be done.

→ The pairing registration information has been erased. Perform the pairing operation again (page 34).

There is no sound.

→ Make sure this main unit is not too far from the BLUETOOTH device, or this system is not receiving interference from a Wi-Fi network, other 2.4 GHz wireless device, or microwave oven.

→ Check that the BLUETOOTH connection is made properly between this system and the BLUETOOTH device.

→ Pair this system and the BLUETOOTH device again.

→ Keep the main unit away from metal objects or surfaces.

→ Make sure "BT" function is selected.

→ Adjust the volume of the BLUETOOTH device first, if the volume level is still too low, adjust the volume level on the main unit.

The sound skips or fluctuates, or the connection is lost.

→ The main unit and the BLUETOOTH device are too far apart.

→ If there are obstacles between the main unit and your BLUETOOTH device, remove or avoid the obstacles.

→ If there is equipment that generates electromagnetic radiation, such as a wireless LAN, other BLUETOOTH device, or a microwave oven nearby, move them away.

Playable Discs

Blu-ray Disc	BD-ROM[1)] BD-R/BD-RE[2)]
DVD[3)4)]	DVD-ROM DVD-R/DVD-RW DVD+R/DVD+RW
CD[3)]	CD-DA (Music CD) CD-ROM CD-R/CD-RW Super Audio CD

[1)] Since Blu-ray Disc specifications are new and evolving, some discs may not be playable depending on the disc type and version. Also, the audio output differs depending on the source, connected output jack, and selected audio settings.

[2)] BD-RE: Ver.2.1
BD-R: Ver.1.1, 1.2, 1.3 including organic pigment type BD-R (LTH type)
BD-Rs recorded on a PC cannot be played if postscripts are recordable.

[3)] A CD or DVD disc will not play if it has not been correctly finalized. For more information, refer to the operating instructions supplied with the recording device.

[4)] The system cannot play DVD disc that is recorded in AVCREC or HD Rec format.

Discs that cannot be played

- BDs with cartridge
- BDXLs
- DVD-RAMs
- HD DVDs
- DVD Audio discs
- PHOTO CDs
- Data part of CD-Extras
- Super VCDs
- Audio material side on DualDiscs

Notes on discs

This product is designed to play back discs that conform to the Compact Disc (CD) standard.
DualDiscs and some music discs encoded with copyright protection technologies do not conform to the Compact Disc (CD) standard. Therefore, these discs may not be compatible with this product.

Note on playback operations of a BD/DVD

Some playback operations of a BD/DVD may be intentionally set by software producers. Since this system plays a BD/DVD according to the disc contents the software producers designed, some playback features may not be available.

Note on double-layer BDs/DVDs

The playback picture and sound may be momentarily interrupted when the layers switch.

Region code (BD-ROM/DVD VIDEO only)

Your system has a region code printed on the bottom of the main unit and will only play a BD-ROM/DVD VIDEO (playback only) labeled with identical region codes or .

Playable Types of Files

Video

Codec	Container	Extension
MPEG-1 Video*1	PS	.mpg, .mpeg
	MKV	.mkv
MPEG-2 Video*2	PS*3	.mpg, .mpeg
	TS*4	.m2ts, .mts
	MKV*1	.mkv
Xvid	AVI	.avi
	MKV	.mkv
MPEG4/AVC*5	MKV*1	.mkv
	MP4*1	.mp4, .m4v
	TS*1	.m2ts, .mts
	Quick Time*6	.mov
	3gpp/ 3gpp2*6	.3gp, .3g2, .3gpp, .3gp2
	FLV	.flv, .f4v
VC1*1	TS	.m2ts, .mts
	MKV	.mkv
WMV9*1	MKV	.mkv
	ASF	.wmv, .asf
Motion JPEG*6	Quick Time	.mov
	AVI	.avi
Real Video*1*7	RV	.rm, .rv, .rmvb

Format
AVCHD (Ver. 2.0)*1*8*9

Music

Codec	Extension
MP3 (MPEG-1 Audio Layer III)*12	.mp3
AAC/HE-AAC*1*12	.m4a, .aac*6
WMA9 Standard*1	.wma
LPCM*12	.wav
FLAC*6	.flac, .fla
Dolby Digital*6*12	.ac3

Codec	Extension
DSF[*6]	.dsf
DSDIFF[*6*13]	.dff
AIFF[*6]	.aiff, .aif
ALAC[*6]	.m4a

Photo

Format	Extension
JPEG	.jpeg, .jpg, .jpe
PNG	.png[*10]
GIF	.gif[*10]
MPO	.mpo[*6*11]

[*1] The system may not play this file format on a DLNA server.
[*2] The system can only play standard definition video on a DLNA server.
[*3] The system does not play DTS format files on a DLNA server.
[*4] The system can only play Dolby Digital format files on a DLNA server.
[*5] The system can support AVC up to Level 4.1.
[*6] The system does not play this file format on a DLNA server.
[*7] Singapore, China, Thailand, and Taiwan models only.
[*8] The system can support frame rate up to 60 fps.
[*9] The system plays AVCHD format files that are recorded on a digital video camera, etc.
The AVCHD format disc will not play if it has not been correctly finalized.
[*10] The system does not play animated PNG or animated GIF files.
[*11] For MPO files other than 3D, the key image or the first image is displayed.
[*12] The system can play ".mka" files. This file cannot be played on a DLNA server.
[*13] The system does not play DST encoded files.

Note

- Some files may not play depending on the file format, the file encoding, the recording condition, or DLNA server condition.
- Some files edited on a PC may not play.
- Some files may not be able to perform fast forward or fast reverse function.
- The system does not play coded files such as DRM and Lossless.
- The system can recognize the following files or folders in BDs, DVDs, CDs and USB devices:
  – up to folders in the 9th layer (including the root folder)
  – up to 500 files/folders in a single layer
- The system can recognize the following files or folders stored in the DLNA server:
  – up to folders in the 19th layer
  – up to 999 files/folders in a single layer
- The system can support frame rate:
  – up to 60 fps for AVCHD only.
  – up to 30 fps for other video codecs.
- The system can support video bit rate up to 40 Mbps.
- The system can support video resolution up to 1920 × 1080p.
- Some USB devices may not work with this system.
- The system can recognize Mass Storage Class (MSC) devices (such as flash memory or an HDD), Still Image Capture Devices (SICDs), and 101-key keyboards.
- The system may not play high bit rate video files from a DATA CD smoothly. It is recommended to play high bit rate video files using a DATA DVD or DATA BD.

Supported Audio Formats

Audio formats supported by this system are as follows.

Format	Function		
	"BD/DVD"	"HDMI1" "HDMI2"	"TV" (DIGITAL IN)
LPCM 2ch	○	○	○
LPCM 5.1ch	○	○	–
LPCM 7.1ch	○	–	–
Dolby Digital	○	○	○
Dolby TrueHD, Dolby Digital Plus	○	–	–
DTS	○	○	○
DTS-ES Discrete 6.1, DTS-ES Matrix 6.1	○*	○*	○*
DTS96/24	○	○*	○*
DTS-HD High Resolution Audio	○	–	–
DTS-HD Master Audio	○	–	–

○: Supported format.
–: Unsupported format.
* Decoded as DTS core.

Note

- The HDMI (IN 1/2) jacks do not input sound in the case of an audio format that contains copy protections such as Super Audio CD or DVD-Audio.
- For LPCM 2ch format, the supported sampling frequency of the digital signal is up to 96 kHz when using the "HDMI1" or "HDMI2" function, and 48 kHz when using the "TV" function.
- For LPCM 5.1ch format, the supported sampling frequency of the digital signal is up to 48 kHz when using the "HDMI1" or "HDMI2" function.

Specifications

Amplifier Section

POWER OUTPUT (rated)
Front L/Front R:
125 W + 125 W (at 6 ohms, 1 kHz, 1% THD)
POWER OUTPUT (reference)
Front L/Front R:
200 W (per channel at 6 ohms, 1 kHz)
Center:
200 W (at 6 ohms, 1 kHz)
Subwoofer:
200 W (at 6 ohms, 80 Hz)

Inputs (Analog)
AUDIO IN
Sensitivity: 2 V/700 mV
Inputs (Digital)
TV (Audio Return Channel/OPTICAL)
Supported formats: LPCM 2CH (up to 48 kHz), Dolby Digital, DTS
HDMI (IN 1)/HDMI (IN 2)
Supported formats: LPCM 5.1CH (up to 48 kHz), LPCM 2CH (up to 96 kHz), Dolby Digital, DTS

HDMI Section

Connector
Type A (19pin)

BD/DVD/Super Audio CD/CD System

Signal format system
NTSC/PAL

USB Section

(USB) port:
Type A (For connecting USB memory, memory card reader, digital still camera, and digital video camera)

LAN Section

LAN (100) terminal
100BASE-TX Terminal

Wireless LAN Section

Standards Compliance
IEEE 802.11 a/b/g/n
Frequency band
2.4 GHz, 5 GHz

BLUETOOTH Section

Communication system
BLUETOOTH Specification version 3.0
Output
BLUETOOTH Specification Power Class 2
Maximum communication range
Line of sight approx. 10 m[1)]
Frequency band
2.4 GHz
Modulation method
FHSS (Freq Hopping Spread Spectrum)
Compatible BLUETOOTH profiles[2)]
A2DP 1.2 (Advanced Audio Distribution Profile)
AVRCP 1.3 (Audio Video Remote Control Profile)
Supported Codecs[3)]
SBC[4)], AAC
Transmission range (A2DP)
20 Hz – 20,000 Hz (Sampling frequency 44.1 kHz, 48 kHz)

[1)] The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, cordless phone, reception sensitivity, antenna's performance, operating system, software application, etc.
[2)] BLUETOOTH standard profiles indicate the purpose of BLUETOOTH communication between devices.
[3)] Codec: Audio signal compression and conversion format
[4)] Subband Codec

FM Tuner Section

System
PLL quartz-locked digital synthesizer
Tuning range
87.5 MHz – 108.0 MHz (50 kHz step)
Antenna (aerial)
FM wire antenna (aerial)
Antenna (aerial) terminals
75 ohms, unbalanced

Speakers

Front (SS-TSB133)/Surround (SS-TSB138) for BDV-N9200W

Front (SS-TSB134)/Surround (SS-TSB139) for BDV-N9200WL

Dimensions (w/h/d) (approx.)
102 mm × 705 mm × 71 mm (wall-mounted part)
270 mm × 1,200 mm × 270 mm (whole speaker)
Mass (approx.)
SS-TSB133/SS-TSB138:
1.9 kg (wall-mounted part)
4.2 kg (whole speaker)
SS-TSB134/SS-TSB139:
2.0 kg (wall-mounted part with speaker cord)
4.4 kg (whole speaker)

Front (SS-TSB135)/Surround (SS-TSB140) for BDV-N7200W

Front (SS-TSB136)/Surround (SS-TSB141) for BDV-N7200WL

Dimensions (w/h/d) (approx.)
100 mm × 450 mm × 57 mm (without stand)
147 mm × 455 mm × 147 mm (with stand)
Mass (approx.)
SS-TSB135/SS-TSB140:
1.1 kg (without stand)
1.2 kg (with stand)
SS-TSB136/SS-TSB141:
1.2 kg (without stand, with speaker cord)
1.3 kg (with stand)

Front (SS-TSB137) for BDV-N5200W

Dimensions (w/h/d) (approx.)
91 mm × 275 mm × 96 mm
Mass (approx.)
0.71 kg (with speaker cord)

Surround (SS-TSB142) for BDV-N5200W

Dimensions (w/h/d) (approx.)
90 mm × 205 mm × 91 mm
Mass (approx.)
0.58 kg (with speaker cord)

Center (SS-CTB125) for BDV-N9200W/ BDV-N7200W

Center (SS-CTB126) for BDV-N9200WL/BDV-N7200WL

Dimensions (w/h/d) (approx.)
365 mm × 73 mm × 77 mm
Mass (approx.)
1.1 kg

Center (SS-CTB127) for BDV-N5200W

Dimensions (w/h/d) (approx.)
240 mm × 90 mm × 85 mm
Mass (approx.)
0.58 kg (with speaker cord)

Subwoofer (SS-WSB126) for BDV-N9200W/BDV-N7200W

Subwoofer (SS-WSB127) for BDV-N9200WL/BDV-N7200WL

Dimensions (w/h/d) (approx.)
SS-WSB126:
265 mm × 430 mm × 265 mm
SS-WSB127:
265 mm × 425 mm × 265 mm
Mass (approx.)
SS-WSB126: 6.3 kg
SS-WSB127: 6.2 kg

Subwoofer (SS-WSB128) for BDV-N5200W

Dimensions (w/h/d) (approx.)
225 mm × 365 mm × 345 mm
Mass (approx.)
5.8 kg (with speaker cord)

General

Main unit

Power requirements
Taiwan model:
120 V AC, 50/60 Hz
Other models:
220 V – 240 V AC, 50/60 Hz
Power consumption
On: 95 W (HBD-N9200W/ HBD-N7200W/HBD-N5200W)
105 W (HBD-N9200WL/ HBD-N7200WL)
Standby: 0.3 W (For details on the setting, see page 51.)
Dimensions (w/h/d) (approx.)
480 mm × 78 mm × 212.5 mm incl. projecting parts
Mass (approx.)
3.1 kg

Surround amplifier (TA-SA500WR) for BDV-N9200W/BDV-N7200W

Surround amplifier (TA-SA600WR) for BDV-N9200WL/BDV-N7200WL

Surround amplifier (TA-SA700WR) for BDV-N5200W

Amplifier Section

TA-SA500WR/TA-SA600WR:
POWER OUTPUT (reference)
Surround L/Surround R:
200 W (per channel at 6 ohms, 1 kHz)

TA-SA700WR:
POWER OUTPUT (reference)
Surround L/Surround R:
100 W (per channel at 6 ohms, 1 kHz)

Rated impedance
6 Ω
Communication system
Wireless sound Specification version 3.0
Frequency band
Europe, Oceania, Africa*, India, Middle East*, Thailand, and Russia models:
5.2 GHz, 5.8 GHz
Singapore and Taiwan models:
5.8 GHz
China model: 5.2 GHz
* 5.2 GHz or 5.8 GHz may not be available in some countries/regions.
Modulation method
DSSS
Power requirements
Taiwan model:
120 V AC, 50/60 Hz
Other models:
220 V – 240 V AC, 50/60 Hz
Power consumption
On: 55 W (TA-SA500WR)
70 W (TA-SA600WR)
45 W (TA-SA700WR)
Standby power consumption
0.5 W (standby mode)
0.3 W (turned off)
Dimensions (w/h/d) (approx.)
200 mm × 64 mm × 211.5 mm
Mass (approx.)
1.3 kg

Design and specifications are subject to change without notice.

Language Code List

The language spellings conform to the ISO 639: 1988 (E/F) standard.

Code	Language	Code	Language
1403	(Afan)Oromo	1203	Gujarati
1028	Abkhazian	1209	Hausa
1027	Afar	1257	Hebrew
1032	Afrikaans	1217	Hindi
1511	Albanian	1229	Hungarian
1039	Amharic	1253	Icelandic
1044	Arabic	1248	Indonesian
1233	Armenian	1235	Interlingua
1045	Assamese	1239	Interlingue
1051	Aymara	1245	Inupiak
1052	Azerbaijani	1183	Irish
1053	Bashkir	1254	Italian
1151	Basque	1261	Japanese
1066	Bengali; Bangla	1283	Javanese
		1300	Kannada
1130	Bhutani	1305	Kashmiri
1060	Bihari	1297	Kazakh
1061	Bislama	1491	Kinyarwanda
1070	Breton	1311	Kirghiz
1059	Bulgarian	1482	Kirundi
1363	Burmese	1301	Korean
1057	Byelorussian	1307	Kurdish
1299	Cambodian	1327	Laothian
1079	Catalan	1313	Latin
1684	Chinese	1334	Latvian; Lettish
1093	Corsican		
1226	Croatian	1326	Lingala
1097	Czech	1332	Lithuanian
1105	Danish	1349	Macedonian
1376	Dutch	1345	Malagasy
1144	English	1357	Malay
1145	Esperanto	1350	Malayalam
1150	Estonian	1358	Maltese
1171	Faroese	1347	Maori
1166	Fiji	1356	Marathi
1165	Finnish	1353	Moldavian
1174	French	1352	Mongolian
1181	Frisian	1365	Nauru
1194	Galician	1369	Nepali
1287	Georgian	1379	Norwegian
1109	German	1393	Occitan
1142	Greek	1408	Oriya
1298	Greenlandic	1435	Pashto; Pushto
1196	Guarani		

Code	Language	Code	Language
1157	Persian	1516	Swedish
1428	Polish	1532	Tagalog
1436	Portuguese	1527	Tajik
1417	Punjabi	1521	Tamil
1463	Quechua	1540	Tatar
1481	Rhaeto-Romance	1525	Telugu
		1528	Thai
1483	Romanian	1067	Tibetan
1489	Russian	1529	Tigrinya
1507	Samoan	1535	Tonga
1501	Sangho	1539	Tsonga
1495	Sanskrit	1538	Turkish
1186	Scots Gaelic	1531	Turkmen
1512	Serbian	1543	Twi
1502	Serbo-Croatian	1557	Ukrainian
		1564	Urdu
1514	Sesotho	1572	Uzbek
1534	Setswana	1581	Vietnamese
1508	Shona	1587	Volapük
1498	Sindhi	1103	Welsh
1503	Singhalese	1613	Wolof
1513	Siswati	1632	Xhosa
1505	Slovak	1269	Yiddish
1506	Slovenian	1665	Yoruba
1509	Somali	1697	Zulu
1149	Spanish		
1515	Sundanese		
1517	Swahili	1703	Not specified

Parental Control/Area Code List

Code	Area	Code	Area
2044	Argentina	2333	Luxembourg
2047	Australia	2363	Malaysia
2046	Austria	2362	Mexico
2057	Belgium	2376	Netherlands
2070	Brazil	2390	New Zealand
2090	Chile	2379	Norway
2092	China	2427	Pakistan
2093	Colombia	2424	Philippines
2115	Denmark	2428	Poland
2165	Finland	2436	Portugal
2174	France	2489	Russia
2109	Germany	2501	Singapore
2200	Greece	2149	Spain
2219	Hong Kong	2499	Sweden
2248	India	2086	Switzerland
2238	Indonesia	2543	Taiwan
2239	Ireland	2528	Thailand
2254	Italy	2184	United
2276	Japan		Kingdom
2304	Korea	2586	Vietnam

Index

Numerics

3D 32
3D Output Setting 56

A

A/V SYNC 42
Attenuation settings - AUDIO 58
Audio DRC 58
Audio Language 59
Audio Output 58
Audio Return Channel 61
Audio Settings 58
Auto Calibration 46, 59
Auto Display 61
Auto Renderer Access Permission 63
Auto Standby 61

B

BD Audio MIX Setting 58
BD Hybrid Disc Playback Layer 59
BD Internet Connection 59
BD Parental Control 60
BD/DVD Menu Language 59
BD/DVD Viewing Settings 59
BD-LIVE 31
BD-ROM 24p Output 57
BLUETOOTH 33
Bluetooth AUDIO - AAC 62
Bluetooth Power Setting 62
BONUSVIEW 31
BRAVIA Sync 45
Browsing websites 51

C

CD 73
Child Lock 49
Cinema Conversion Mode 56
Connection Server Settings 63
Control for HDMI 45, 60

D

D.C.A.C. DX (Digital Cinema Auto Calibration DX) 46
Digital Music Arena 30, 41
Dimmer 49
DLNA 39, 63
Dolby Digital 43
DTS 43
DVD 73
DVD Aspect Ratio 56
DVD Parental Control 60
DVD-ROM 24p Output 57

E

Easy Network Settings 63
Easy Setup 27
External Input Settings 62

F

FM Mode 44
Football mode 31
Front panel 14

G

Gracenote Settings 61

H

HDMI
YCbCr/RGB (HDMI) 57
HDMI Deep Colour Output 57

I

Initialise Personal Information 63
Input Skip Setting 62
Internet content 38
Internet Settings 62
Internet Video Parental Control 60
Internet Video Unrated 60

L

Language Code List 79

M

Multiplex broadcast sound 43
Music Settings 60

N

Network Connection Diagnostics 63
Network Settings 62
NFC 36

O

OSD Language 60

P

Parental Control Area Code 60
Parental Control Settings 60
Password 60
Pause Mode 58
Play information 32
Playable discs 73
Power Save Drive 61

Q

Quick Start Mode 61

R

RDS 45
Rear panel 16
Region code 74
Registered Remote Devices 63
Remote control 17
Remote Start 63
Renderer Access Control 63
Reset to Factory Default Settings 63
Resetting 63

S

SBM 58
Screen Format 56
Screen mirroring 35, 37
Screen Saver 61
Screen Settings 56
SLEEP 49
Slideshow 42
Software License Information 62
Software Update 55
SongPal 38
Sound Effect 59
Speaker illumination 50
Speaker Settings 47, 59
  Distance 48
  Level 48
Subtitle Language 59
Super Audio CD Playback Channels 60
Super Audio CD Playback Layer 60
Surround amplifier 16
System Information 62

T

Test Tone 48
Top panel 14
Top panel display 15
TV Screen Size Setting for 3D 56
TV SideView 40
TV Type 56

U
Update 55
USB 33

V
Visualizer 50

W
WEP 26
Wireless Sound Connection 60
WPA2-PSK (AES) 26
WPA2-PSK (TKIP) 26
WPA-PSK (AES) 26
WPA-PSK (TKIP) 26

The software of this system may be updated in the future. To find out details on any available updates, please visit the following URL.

For customers in Europe and Russia:
http://support.sony-europe.com/

For customers in other countries/regions:
http://www.sony-asia.com/section/support

http://www.sony.net/

(1)

©2014 Sony Corporation Printed in Malaysia